### ACADEMIC HEALTH CENTER

#### Shared (AHS)

410 ChRc (MMC 501), 426 Church St SE, East Bank Campus, Minneapolis, MN, 55455

612/626-3700, http://www.ahc.umn.edu

Academic Health Center Shared

1101 Orientation to the Health Sciences

26790 001 LEC, 03:35pm-04:25pm M, MoosT 2-565;
Anderson, Susan Marie, 1 cr

26791 002 LEC, 03:35pm-04:25pm T, MoosT 2-565;
Anderson, Susan Marie, 1 cr

29112 001 LEC, 03:35pm-04:25pm Th, MoosT 2-565;
Petersen, Kathleen Flannery, 1 cr

#### ACCOUNTING (Acct)

3-122 CarlSmgmt, 321-19th Ave S, West Bank Campus, Minneapolis, MN, 55455

612/624-6506, http://www.csom.umn.edu

Curtis L. Carlson School of Management

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/
Non-Carlson students should refer to Registration Instructions for Carlson School of Management Courses, before attempting to register in the 3000-, 4000-, and 5000-level courses listed below.

2050 Introduction to Financial Reporting

(A-F only; prereq Completion of 30 credits)

17999 001 LEC, 08:00am-09:45am M, W, CarlSmgmt L-114; Caliendo, Charles Michael, 4 cr

17100 002 LEC, 09:55am-11:35am M, W, CarlSmgmt L-114; Shields, Timothy, 4 cr

17101 003 LEC, 01:45pm-03:25pm M, W, CarlSmgmt L-110; Trantin, Terry L, 4 cr

17102 004 LEC, 03:45pm-05:25pm M, W, CarlSmgmt L-110; Kallio, Laurence Rodger, 4 cr

19986 005 LEC, 03:45pm-05:25pm M, W, CarlSmgmt L-114, 4 cr

19989 006 LEC, 08:00am-09:45am Th, CarlSmgmt L-114; Feiton, Mark, 4 cr

19990 007 LEC, 09:55am-11:35am Th, Room TBA, TCWSTBANK; Felton, Mark, 4 cr

23561 008 LEC, 11:00am-12:30pm Th, CarlSmgmt L-114; Shields, Timothy, 4 cr

22823 009 LEC, 01:45pm-03:25pm T, CarlSmgmt L-114; White, Paul Andrew, 4 cr

18991 010 LEC, 03:45pm-05:25pm T, CarlSmgmt L-114, 4 cr

19982 080 LEC, 03:45pm-05:25pm T, CarlSmgmt L-114, 4 cr

29120 020 LEC, 05:45pm-07:25pm Th, CarlSmgmt L-110; Kallio, Laurence Rodger, 4 cr

29121 021 LEC, 06:30pm-08:10pm Th, CarlSmgmt L-110, 4 cr

3001 Introduction to Management Accounting

(A-F only; prereq: 2050, at least 30 cr)

17107 001 LEC, 08:00am-09:30am M, W, CarlSmgmt L-213; Shields, Timothy, 3 cr

17108 002 LEC, 12:45pm-02:00pm M, W, CarlSmgmt L-213, White, Paul Andrew, 3 cr

17109 003 LEC, 02:15pm-03:30pm M, W, Room TBA, TCWSTBANK; White, Paul Andrew, 3 cr

18115 004 LEC, 09:45am-11:00am M, CarlSmgmt L-213, 3 cr

21352 005 LEC, 12:45pm-02:00pm Th, CarlSmgmt L-213, 3 cr


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### ACADEMIC HEALTH CENTER

**Fall 2005**

This information is accurate as of: 4/22/2005
14910 001 LEC, 08:15am-09:30am TTh, AkerH 227; Elliott, Ryan S., 3 cr
4201 Fluid Mechanics
(A-F only; prereq 2012, [Math 2373 or equiv], [Math 2374 or equiv]; [IT upper div or grad student])
14169 01 L ET, 09:05am-11:15am MW, MechE 18; Bawa, Gordon S; Jiang, XueLi; Yang, Ying; Wu, Yiming, 3 cr
4295 Problems in Fluid Mechanics
(max crs 6; 6 repeats allowed; AEM major, dept consent)
17151 001 LEC, 4-8 cr
4301 Spaceflight Dynamics
(A-F only; prereq [2012 or equiv], [Math 2373 or equiv]; [IT upper div or grad student])
14157 001 L ET, 11:15am-12:00pm MW, MechE 319; Kretser, Yohannes; Suksamrarn, Neelakantan; Vanek, Balint, 3 cr
4311 Automatic Control Systems
(prereq IT upper div or grad, 4303 or equiv) (prereq [2012 or equiv], [Math 2373 or equiv]; [IT upper div or grad student])
14164 001 IND, 1-3 cr
4331 Aerospace Vehicle Design I: Aircraft
(A-F only; prereq [2301; AEM ae] or instr consent)
21349 001 L ET, 02:00pm-03:45pm TTh, MechE 125; Hammar, Jeffrey M; Shao, Yuanfeng, 3 cr
4502 Computational Structural Analysis
(prereq [Grade of at least C in 4501, [IT upper div or grad student]]) or instr consent)
14502 001 IND, 1-3 cr
4495 Problems in Dynamics and Control
(max crs 6; 6 repeats allowed; prereq dept consent)
14164 001 IND, 1-3 cr
4501, 4502, 4602W, 5245, and 5251. See
http://onestop.umn.edu/Finances/tuitionrates/20
04-05/techcoil.html for more information on this
fee.
2011 Statics
(A-F only; prereq PHYS 1301W, [concurren
registration is required (or allowed) in Math
2374 and equiv], IT)
2011 001 L ET, 12:00pm-01:10pm MT, MechE 124; Jensen, Jonathan Bren, 8 cr
4106 007 DIS, 11:15am-12:05pm Th, AkerH 215, 4 cr
19707 006 LAB, 08:00am-09:00am F, AkerH 25, 4 cr
4796 Professional Experience
(max crs 3; A-F only; prereq IT upper div,
AEM major, dept consent)
22441 001 IEX; Gerrard, William L, 1-3 cr
22493 001 IEX; Gerrard, William L, 1-3 cr
22494 003 IEX; Gerrard, William L, 1-3 cr
5251 Computational Fluid Mechanics
(A-F only; prereq [4201 or equiv], [CSci 1501 and
1502], [IT upper div or grad student])
26407 001 LEC, 09:05am-09:55am MW, MechE 227; Elliott, Ryan S.; Jiang, XueLi; Yang, Ying; Wu, Yiming, 3 cr
4501 Problems in Mechanics and Materials
(max crs 6; 6 repeats allowed; prereq dept consent)
14165 001 IND, 1-3 cr
4062W Aerodynamics Laboratory
(A-F only; prereq IT upper div or grad, 4201,
4501, 4502, 4601, 4602, 1011; meets CLE
req of Writing Intensive)
14997 001 L ET, 07:00pm-09:30pm TTh, MechE 215; Longmire, Ellen K; Shield, Thomas William
19673 002 LAB, 08:00am-12:05pm T, AkerH 25, 4 cr
19674 003 LAB, 01:25pm-05:30pm T, AkerH 25, 4 cr
19675 004 LAB, 12:05pm-04:10pm Th, AkerH 25, 4 cr
19676 005 LAB, 01:25pm-05:30pm Th, AkerH 25, 4 cr
5401 Intermediate Dynamics
(prereq IT upper div or grad, 2012, Math
2243)
14996 001 LEC, 10:10am-11:15am MW, MechE 227; Gebre EziysuBerhan, Demoz, 3 cr
5431 Trajectory Optimization
(A-F only; prereq 4311 or equiv or instr consent)
31969 001 LEC, 01:25pm-02:30pm Th, AkerH 211; Zhao, Yiyou J, 3 cr
5495 Topics in Aerospace Systems
(max crs 9; 9 repeats allowed; A-F only; prereq
depth consent)
28897 001 LEC; To register for this course stop in 107
Akerman Hall. Please have an advisor selected.,
1-4 cr
5501 Continuum Mechanics
(prereq IT upper div or grad, 3031, Math
2543 or equiv or instr consent)
14472 001 LEC, 09:45am-11:00am TTh, AkerH 227; Leo, Perri H, 3 cr
8000 Seminar: Aerospace Engineering and
Mechanics
(max crs 4; 4 repeats allowed; S-N only;
prereq DGS consent)
169 001 SEM, 02:00pm-05:30pm F, Rapson Hall 45. Please visit the seminar webpage for more details regarding meeting times and speaker information:
http://www.aem.umn.edu/teaching/grant/bond/semi
narypolicy.shtml. 1 cr
8201 Fluid Mechanics I
(prereq 4201 or equiv, Math 2263 or equiv)
14897 001 LEC, 09:00am-09:55am MW, MechE 215; Joseph, Daniel D; Jiang, XueLi, 3 cr
8203 Fluid Mechanics III
(prereq 4202)
19679 001 LEC, 11:15am-12:20pm TTh, AkerH 227; Mahesh, Krishna, 3 cr
8211 Theory of Turbulence I
(prereq 8202)
31970 001 LEC, 10:10am-11:15am MW, MechE 211; Longmire, Ellen K, 3 cr
8295 Selected Topics in Fluid Mechanics
(max crs 8; 8 repeats allowed; prereq dept consent)
18893 001 IND, 1-4 cr
8333 FTE: Master's
(NGA; prereq Master's student, adviser and
DGS consent)
20002 001 THE, 1 cr
8400 Seminar: Aerospace Systems
(max crs 4; 4 repeats allowed; S-N only;
prereq [2147 for grad student])
19678 001 SEM, 12:45pm-02:00pm Th, AkerH 227, 1 cr
8401 Modern Feedback Control
(prereq 4311 or instr consent)
14910 001 L ET, 08:15am-09:30am MW, MechE 227; Bals, Gary John, 3 cr
2
AFRO-AMERICAN STUDIES (Afro)
808 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-9847, http://www.afroam.umn.edu
College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu

College of Liberal Arts

AFRO-AMERICAN STUDIES (Afro)
808 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-9847, http://www.afroam.umn.edu
(Credit will not be granted if credit has been received for: AGRO 3866; A-F only)

29957 001 LEC, 07:00am-09:00am MWF, CLM 305, (max crs 3; A-F only; prereq freshman; meets CLE req of Writing Intensive)

3000 Directed Studies in International Agriculture (max crs 3; 10 repeats allowed; A-F only; prereq instr consent)

3100H Honors Experience (max crs 3; A-F only; prereq Honors)

31381 001 LEC, 07:00am-09:00am MWF, BorH 345, STPAUL; 1 seat reserved for SEAM; Hassel, Craig Alan, 3 cr

3201 Strategic Career Planning (A-F; prereq Jr or sr)

33182 002 LEC, 07:00am-09:00am MWF, BorH 345, STPAUL; 1 seat reserved for SEAM; Hassel, Craig Alan, 3 cr

3900 Topics in International Agriculture (max crs 25; 10 repeats allowed; A-F only; prereq instr consent)

42699 001 DST; Vreysen, John Robert, 2-4 cr

42700 002 DST; Vreysen, John Robert, 2-4 cr


Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN 55108, 612/624-9200, www.bookstore.umn.edu/ 1007 Horse in Your Backyard (Credit will not be granted if credit has been received for: ANSC 1007; A-F only)

23686 001 LEC, 07:00am-09:00am MWF, BorH 345, STPAUL; 1 seat reserved for SEAM; Hassel, Craig Alan, 3 cr

1093 Directed Studies (max crs 12; 12 repeats allowed; prereq 4 cr in agronomy, instr consent)

17475 001 DST; 1 seat reserved for Crop, Soil and Pest; 1 seat reserved for COAFES NHS; Cardwell, Vernon Bruce, 1-4 cr

1101 Biology of Plant Food Systems (meets CLE req of Biological Sciences/Lab Core; meets CLE req of Environment Theme)

001 L EC, 09:45am-11:00am THU, VinH 16; Smith, Kevin Paul; Braken, Mary Patricia; Simmons,
University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005

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<td>15545</td>
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<td>W, BlegH 255</td>
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<td>Introduction to Cultural Diversity and the World System</td>
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<td>31280</td>
<td>12:00pm-04:00pm</td>
<td>W, Room TBA; Ho; Karen Z, J</td>
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<td>1909W</td>
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<td>3280</td>
<td>1001 LEC, 02:30pm-03:45pm</td>
<td>Anzh 370; Leden, Gregory</td>
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<td>3003</td>
<td>Language and Sociocultural Analysis</td>
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<td>29813</td>
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<td>W, BlegH 260</td>
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<td>3000</td>
<td>Cultural Anthropology</td>
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<td>3109</td>
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<td>W, BlegH 120</td>
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<td>Globalization, Markets, and Inequality</td>
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<td>Small Group Behavior and Teamwork (A-F only; prereq BAS student at least 12 cr)</td>
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<td>501LANCED 09:00am-10:00am M, W, BlegH 210; 51154 10:00am-11:00am W, BlegH 130; 52500 09:00am-10:00am W, BlegH 130; 53000 09:00am-10:00am W, BlegH 130;</td>
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<td>8510</td>
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<td>Doctoral Pre-Thesis Credits (max crs 60; 4 repeated allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)</td>
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<td>Independent Study (max crs 18; prereq instr consent)</td>
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<td>9592</td>
<td>Directed Reading (max crs 18; prereq instr consent)</td>
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<td>9594</td>
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<td>9595</td>
<td>Directed Study (max crs 18; 3 repeats allowed; prereq instr consent)</td>
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</tbody>
</table>

**APPLIED BUSINESS (Abus) 101 Westbrook Hall, 77 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455 612/624-4000, http://www.ccc.umn.edu/bas/business College of Continuing Education**

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/1001 Orientation to Applied Economics

**This information is accurate as of: 4/22/2005**
Agriculture
(prereq 3101 or Econ 1101; meets CLE req of Historical Perspective Core; meets CLE req of Writing Intensive)

14832 001 LEC, 01:15pm-02:30pm TTh, VoTech R285, STPAUL, Levins, Richard A; Metes, Kenneth G, 3 cr
3071 Agriculture and Economic Growth in Developing Countries
(prereq 1101, 1102, Econ 1101, 1102 or instr consent)

29828 001 LEC, 03:00pm-04:15pm MW, ClaOff B36, STPAUL, Senauer, Benjamin H, 3 cr
3411 Commodity Marketing (prereq 1101 or Econ 1101)

14887 001 LEC, 10:15am-11:30am TTh, ClaOff B25, STPAUL, Buhl, Brian Lee, 3 cr
3501 Agribusiness Finance
(Credit will not be granted if credit has been received for: FINA 3001, FINA 3000; prereq [(1251 or Aect 2050), 60 cr] or instr consent)

14889 001 LEC, 09:35am-10:25am MWF, ClaOff B25, STPAUL, Pederson, Glenn Darwin, 3 cr

4096 Professional Experience Program: Internship
(max crs 6; 6 repeats allowed; S-N only; prereq COAFES jr or sr, instr consent, complete internship contract available in COAFES Career Services before enrolling; UC only)

14892 001 IEX, Cames, Steve, 3 cr
4451W Food Marketing Economics
(Credit will not be granted if credit has been received for: APEC 5451; prereq [(1101 or Econ 1101), 60 cr] or instr consent of Citizenship/Publ Ethics Theme; meets CLE req of Writing Intensive)

14893 001 LEC, 03:00pm-04:15pm TTh, ClaOff 143, STPAUL, Meets with: 25036 APEC 5451; Senauer, Benjamin H, Kinsey, Jean D, 3 cr
5031 Methods of Economic Data Analysis (prereq Math 1271, Stat 5021, knowledge of matrix algebra)

21862 001 LEC, 04:30pm-05:45pm MW, ClaOff B22, STPAUL, McCallough, Gerald John, 3 cr
5151 Applied Microeconomics: Firm and Household
(prereq 3001 or Math 1271 or Math 2243 or equiv or grad student or instr consent)

15545 001 LEC, 04:30pm-05:45pm MW, ClaOff B26, STPAUL, Coggins, Jay Steven, 3 cr
5451 Food Marketing Economics
(Credit will not be granted if credit has been received for: APEC 4451W; F-A only; prereq grad student)

25036 001 LEC, 03:00pm-04:15pm TTh, ClaOff 143, STPAUL, Meets with: 14993 APEC 4451W; Senauer, Benjamin H, Kinsey, Jean D, 3 cr
5651 Economics of Natural Resource and Environmental Policy (prereq [(3001 or Econ 3101, 3461 or Econ 3611 or NRES 3261W)] or instr consent; meets CLE req of Environment Theme)

14899 001 LEC, 03:00pm-04:15pm TTh, ClaOff B25, STPAUL, Meets with: 19037 PA 5722; Easter, K William, 3 cr
5721 Economics of Science and Technology Policy (prereq [(5151 or concurrent registration is required (or allowed in 5151)] or PA 5022) or instr consent; meets CLE req of International Perspect Theme)

22568 001 LEC, 08:45am-10:00am TTh, ClaOff B36, STPAUL, Pardey, Philip Gordon, 3 cr
5751 Global Trade and Policy (prereq 3001 or Econ 3101 or PA 5021; meets CLE req of International Perspect)

14993 001 LEC, 10:15am-11:30am TTh, ClaOff B36, STPAUL, Ziotoumi, Naomi, 3 cr
5891 Independent Study: Advanced Topics in Farm and Agribusiness Management (max crs 4; prereq instr consent)

14900 001 IND, 3 cr
5991 Special Topics and Independent Study in Applied Economics (max crs 12; 12 repeats allowed; prereq instr consent)

14901 001 IND, 1-4 cr
8202 Mathematical Optimization in Applied Economics (prereq [5151, Econ 5151] or equiv or instr consent)

15323 001 LEC, 10:00am-11:15am MW, Room TBA, STPAUL, Apland, Jeffrey, 3 cr
8205 Applied Game Theory
(A-F only; prereq [8101, 8102, 8103, 8104] or [Econ 8001, Econ 8002, Econ 8003, 8004] or instr consent)

22459 001 LEC, 12:45pm-01:00pm TTh, Room TBA, STPAUL, Hurley, Terry; Polasky, Alan Stephen, 3 cr
8333 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)

20006 001 TIE, 1 cr
8401 Consumer Behavior and Policy
(A-F only; prereq Econ 5151 or [Econ 8001, Econ 8002] or [Econ 8101, Econ 8102] or instr consent)

24444 001 LEC, 11:00am-12:15pm MW, Room TBA, STPAUL, 09/08/05-10/24/05; Senauer, Benjamin H, 2 cr
8402 Information and Behavioral Economics
(A-F only; prereq [8401, Econ 8001, Econ 8002] or [Econ 8101, Econ 8102] or equiv or instr consent)

24460 001 LEC, 11:00am-12:15pm MW, Room TBA, STPAUL, 10/25/05-12/14/05; Kinsey, Jean D, 2 cr
8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)

20205 001 TIE, 1 cr
8602 Economics of the Environment
(prereq Econ 8004 or Econ 8104 or instr consent)

29842 001 LEC, 03:00pm-04:15pm MW, ClaOff B22, STPAUL, Coggins, Jay Steven, 3 cr
8666 Doctoral Pre-Thesis Credits
(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)

20370 018 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])

20480 001 TIE, 1-18 cr
8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; Max 18 cr per semester or summer; 24 cr required)

19573 001 TIE, 1-24 cr
ARABIC (Arab)
808 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612-624-9847, http://www.afroam.umn.edu
College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000 or St Paul Bookstore, 7, 1420 Eckles Ave, St Paul MN 55108, 612-624-9200, www.bookstore.umn.edu

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

20206 001 TIE, 1-18 cr
8666 Doctoral Pre-Thesis Credits
(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)

20370 018 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])

20480 001 TIE, 1-18 cr
8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; Max 18 cr per semester or summer; 24 cr required)

19573 001 TIE, 1-24 cr

This information is accurate as of: 4/22/2005
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<tr>
<th>Course Code</th>
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<th>Instructor</th>
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<tr>
<td>3401W</td>
<td>Environmental Design and the Sociocultural Context</td>
<td>Lavine, Lance A</td>
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<td>3401W</td>
<td>Environmental Design and the Sociocultural Context</td>
<td>Lavine, Lance A</td>
<td>1 cr</td>
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<td>4283</td>
<td>Architectural Discourse Studio III</td>
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<td>4421</td>
<td>Theory of Architectural Representation</td>
<td>Lavine, Lance A</td>
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This information is accurate as of: 4/22/2005
This information is accurate as of: 4/22/2005

Sakowski, Leen, 3 cr

4431W
Eighteenth-Century Architecture and the Enlightenment
(A-F only; prereq 3411, 3412, undergrad arch major; meets CLE req of Writing Intensive)
29865
001LEC, 12:45pm-02:00pm TTh, Rapsoul43; Ferguson, Robert P, 3 cr

4434
Contemporary Architecture
(A-F only; prereq 3412, Arch major)
27812
001LEC, 12:45pm-02:00pm TTh, Rapsoul54; Miller, Nancy A, 3 cr

4445
Suburbia
(A-F; prereq 3412 or arch major or instr consent)
33260
001LEC, 09:45am-11:00am TTh, MechE18; With meets. 33257 ARCH 4445; Solomonson, Katherine Mary, 3 cr

4446
Architecture Since World War II:
Postwar Experimentation, Aesthetics, and Politics of Architecture
(A-F; prereq 3412 or instr consent)
33259
001LEC, 09:00am-10:00am T, Room TBA; TCEASTBANK; Bhutt, Ritu, 3 cr

4501
Introduction to Structures
(A-F only; prereq 4282, Arch BS)
25351
001LEC, 05:30pm-08:30pm Th, Rapsoul45; Strohman, Susan C, 3 cr

4572
Structural Framing and Building Design/Construction
(A-F only)
23842
001LEC, 06:00pm-08:45pm Th, Rapsoul56, 09/08/05-12/08/05; 14 meetings; 20 seats reserved for CMgT/msj, minors, certificates; 2 seats reserved for non-PSEO, non-admitted student, 3 cr

4750
Introduction to Urban Form and Issues
(A-F only; prereq Undergrad arch major or instr consent)
28898
001LEC, 09:45am-11:00am TTh, Room TBA, TCEASTBANK; Miller, Nancy A, 3 cr

5291
Accelerated Undergraduate Architecture Studio I
(A-F only; prereq instr consent; meets HON req of Honors)
16723
001STU, 01:25pm-05:30pm MWF, Rapsoul54; Meets with. 25025 ARCH 8251; Roe, Sharon Louise, 6 cr

5361
Topics in Architectural Representation:
3-D Architectural Modeling and Design
(A-F only; prereq For undergrads 5281 or 5531, Arch major; for grads M Arch major or instr consent)
22996
001LEC, 06:00pm-08:00pm Th, Rapsoul33; Dozier, James, 3 cr

5571
Computer Methods I
(Credit will not be granted if credit has been received for: LA 5371; S-N only; prereq Concurrent enrollment 8251, M Arch major or instr consent)
17321
001LEC, 09:45am-11:00am T, Rapsoul31; Swackhamer, Marc T, 1 cr

5573
Computer Methods II
(Credit will not be granted if credit has been received for: LA 5373; S-N only; prereq 5372, concurrent enrollment 8253, M Arch major or instr consent)
22795
001LEC, 11:15am-12:05pm M, Rapsoul31; Swackhamer, Marc T, 1 cr

5410
Topics in Architectural History
(max crs 12; 4 repeats allowed; A-F only; prereq For undergrads 4312, Arch major; for grads M Arch major or instr consent)
18259
001LEC, 3 cr

8333
FTE: Master's
(GNA; prereq Master's student, adviser and DGS consent)
20007
001THE, 1 cr

8450
Topics in Theory
(max crs 3; A-F only; prereq 5411, grad Arch major or instr consent)
28780
001LEC, 08:30am-11:00am Th, Rapsoul15; Bhutt, Ritu, 1-3 cr

8550
Topics in Technology
(max crs 3; A-F only; prereq Grad Arch major or instr consent)
25386
001LEC, 09:00am-12:00am T, Rapsoul15; Gouzouli, Mary, 3 cr

8777
Thesis Credits: Master's
(max crs 50; 10 repeats allowed; GNA; prereq Max 18 cr per semester or summer; 10 cr total required; Plan A only)
20481
001THE, 09:00am-11:00am Th, Rapsoul54; Conway, William F, 1-18 cr

ART (Arts)
Art Teaching and Research Facility, 405 21st Ave S, West Bank Campus, Minneapolis, MN, 55455
612/625-8096, http://artdept.umn.edu

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu. Materials fees are assessed at the time of registration for many Art courses. See http://onestop.umn.edu/Finances/tuitionrates/2004-05/coursefes.html for course numbers and fee amounts. You must be on time for your first class meeting. If you are more than 15 minutes late, your instructor can assign your place in the course to another student. NOTE: You may have permission from the instructor to register in an Art course(s) after the first class meeting. Students must attend 2 additional hours of lab per week for all courses that meet M, T, W, or Th from 06:00pm-10:00pm or Sa, 08:30am-12:30pm. Students may choose whichever lab best fits their schedule. Labs are staffed by teaching assistants who can answer aesthetic and technical questions about the course as well as help with coursework. The following labs are scheduled for this semester: Painting/Drawing Labs--06:00pm-08:00pm MTTh; 06:00pm-09:00pm W; and 09:00am-12:00pm Sa, Regents Center for Art W244. (A life model will be available in the W and Sa labs.) Printmaking Labs--06:00pm-08:00pm Th, Regis Center for Art W185, W187. Ceramic Labs--03:00pm-08:00pm F; 09:00am-12:00pm Sa, Regents Center for Art E154, E156. Photography Labs--06:00pm-09:00pm Th; 09:00am-12:00pm Sa, Regents Center for Art W410. Sculpture Labs--06:00pm-08:00pm WTh, Regis Center for Art E125, E170A. Time & Interactive Labs--01:25pm-4:25pm F; Regis Center for Art W121.

This information is accurate as of: 4/22/2005
null
3301 Sculpture: Direct Metal (prereq 1001, 1301; Note: Students without stated prerequisites will not be allowed to continue in this course.)

3302 Sculpture: Spatial Problems (prereq 1001, 1301; Note: Students without stated prerequisites will not be allowed to continue in this course.)

3303 Sculpture: Metalcasting (prereq 1001, 1301; Note: Students without stated prerequisites will not be allowed to continue in this course.)

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

3402 Artists’ Books (prereq 1001, 1301; Note: Students without stated prerequisites will not be allowed to continue in this course.)

3403 Women’s Images and Images of Women (Credit will not be granted if credit has been received for: ARTS 5403; prereq 1001 or instr consent; Note: Students without stated prerequisites will not be allowed to continue in this course.)
Interactivity: Advanced Digital (max crs 12; 4 repeats allowed; prereq 3307 or instr consent; Note: Students without stated prerequisites will not be allowed to continue in this course.) 5610 Seminar: Concepts and Art Practice (max crs 6; prereq BFA candidate or instr consent; Note: Students without stated prerequisites will not be allowed to continue in this course.)

22620 001 SEM, 09:00am-12:00pm F, Regis W257; Katifsic, Diane, 3 cr

24627 01 STU; Krepps, Jared A, 3 cr

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

20010 09:00am-12:05pm TTh, Regis W257; Estep, James, 3 cr

8400 Theoretical Constructions in Contemporary Art (max crs 6)

14884 09:30am-12:30pm F, Regis E231; Estep, Jan, 3 cr

8410 Studio Critique (max crs 6; A-F only; prereq 8400)

23546 09:30am-12:30pm F, Regis E110; Hallman, Gary L, 3 cr

23547 09:30am-12:30pm F, Regis E110; Stanislav, Andrea Christine, 3 cr

8500 Printmaking: Theory and Practice (max crs 12; 4 repeats allowed)

24627 01 STU; Willow, Diane, 3 cr

8600 Electronic Art: Theory and Practice (max crs 12; 4 repeats allowed)

21548 01 STU; Lukkas, Lynn Tyman, 3 cr

21605 02 STU; Willow, Diane, 3 cr

8700 Photography: Theory and Practice (max crs 12; 4 repeats allowed)

28417 04:00pm-09:00pm TTh, Regis W257; Estep, James, 3 cr

19848 09:00am-12:05pm F, Regis E110; Hallman, Gary L, 3 cr

24628 09:00am-12:05pm T, Regis W240; Henkel, James V, 3 cr

8800 Ceramics: Theory and Practice (max crs 12; 4 repeats allowed; A-F only)

17986 01 STU, 01:25pm-04:25pm TTh, Regis E155; Meets with: 14902 ARTS 3810; Pharis, Mark W, 3 cr

8990 M.F.A. Creative Thesis (max crs 18; 18 repeats allowed; prereq Art MFA candidate, passed oral/written prelim, instrument consent)

15361 01 THE; Baeumler, Christine Arle, 1-9 cr

15362 01 THE; Baldwin, Gary A, 1-9 cr

15363 01 THE; Cotweise, Thomas Roger, 1-9 cr

15364 01 THE; Estep, James, 1-9 cr

15365 01 THE; Feinberg, David L, 1-9 cr

15366 01 THE; Gray, Lynn Arlyn, 1-9 cr

15367 01 THE; Hallman, Gary L, 1-9 cr

15368 01 THE; Henkel, James V, 1-9 cr

15369 01 THE; Hoard, Curtis C, 1-9 cr

15370 01 THE; Hoard, Charles C, 1-9 cr

15371 01 THE; Katsiaficas, Diane, 1-9 cr

15372 01 THE; Krepps, Jared A, 1-9 cr

15373 01 THE; Katsiaficas, Diane, 1-9 cr

15374 01 THE; Kuhn, Alexess, 1-9 cr

15375 01 THE; Lyon, Joyce, 1-9 cr

15376 01 THE; Morgan, Christine C, 1-9 cr

15377 01 THE; Pharis, Mark W, 1-9 cr

15378 01 THE; Potratsu, Wayne E, 1-9 cr

15379 01 THE; Rose, Thomas Albert, 1-9 cr

15380 01 THE; Staalberg, Andrea Christine, 1-9 cr

22901 02 THE; Willow, Diane, 1-9 cr

22951 02 THE; Yamada, Tetsuya, 1-9 cr

22952 02 THE; Willow, Diane, 1-9 cr

15382 02 THE; Willow, Diane, 1-9 cr

ART HISTORY (ArtH)


College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/1002W Why Art Matters (meets CLE req of International Perspectives; meets CLE req of Other Humanities Core; meets CLE req of Writing Intensive)

8001 L RC, 09:00am-12:00pm TTh, AndH 310; Asher, Frederick M

26899 02 DIS, 01:25pm-02:15pm T, Blegen H 230; Asher, Frederick M

27461 03 DIS, 09:00am-09:55am W, Blegen H 230; Asher, Frederick M, 4 cr

27462 04 DIS, 01:25pm-02:15pm Th, Blegen H 230;
University of Minnesota – Class Schedule for Twin Cities Campus  Fall 2005

18564 001 LEC, 04:30pm-08:30pm M, AndH 230; Topics in Art History
3940 001 LEC, 09:05am-09:55am MWF, BlegH 10; Art Since 1945
22598 001 LEC, 03:05pm-03:55pm MWF, BlegH 230; Directed Museum Experience
32273 001 LEC, 10:00am-11:15am MWF, BlegH 260; Art of Islam
3971W History of Medieval Art

This information is accurate as of: 4/22/2005

ASIAN AMERICAN STUDIES (AAS)
College of Liberal Arts

1101 Imagining Asia

1101W Introduction to East Asian Art

3015W Art of Islam

3012 History of Design: 19th- and 20th-Centuries

32646 AFRO 4231, AMIN 4231, CHIC 4231; Brewer, Rose Marie, 3 cr

32629 001 LEC, 02:30pm-03:45pm TH, TCEASTBANK; 3 cr

4231 The Color of Public Policy: African Americans, American Indians, and Chicanos in the United States

20517 003 DIS, 12:20pm-01:10pm W, BlegH 230; (prereq jr or sr or grad or instr consent)

32958 001 LEC, 10:00am-11:15am MWF, BlegH 260; History of Medieval Art

3993 Directed Study

5994 Directed Research

16

ASIAN LANGUAGES AND LITERATURES (ALL)
453 Folwell Hall, 9 Pleasant Street, East Bank Campus, Minneapolis, MN, 55455 612/625-6534, http://www.all.umn.edu

College of Liberal Arts
1005 Descriptive Astronomy
(Credit will not be granted if credit has been received for: AST 1001, AST 101H; prerequisite non-science major)
21720 001 LEC, 07:15pm-08:30pm MW, Phys 166; Meets with: 12881 AST 4299H, Jones, Thomas Walter, 1 cr
1011H Exploring the Universe, Honors
(Credit will not be granted if credit has been received for: AST 1001, AST 1005; prerequisite high school trigonometry, high school physics or chemistry; meets CLE req of Environment Theme; meets CLE req of Physical Science/Lab Core; meets HON req of Honors)
001 LEC, 02:30pm-03:20pm MTW, Phys 143; Woodward, Paul R
12877 002 LEC, 02:30pm-04:25pm Th, Phys 450; 09/15/05-12/14/05; Lab begins the week of September 13th.; Woodward, Paul R, 4 cr
1905 Freshman Seminar
(max crs 3; prerequisite freshman)
21605 001 LEC, 03:55pm-05:00pm T, Phys 499; Radnick, Lawrence, 2 cr; Cosmic Catastrophes
21606 002 LEC, 03:55pm-05:00pm T, Phys 499; Jones, Terry J, 2 cr; Cosmic Impacts: Scars on the Earth
21607 001 LEC, 03:55pm-05:00pm Th, Phys 499; Jones, Terry J, 2 cr; Astrobiology: Search for Extraterrestrial Life
2001 Introduction to Astrophysics
 prereq 1 yr calculus, Phys 2303 or instr consent
23429 001 LEC, 02:00pm-04:05pm Th, Phys 131; Davidson, Kris, 4 cr
2990 Directed Studies
(max crs 5; prerequisite 1 yr calculus, Phys 1302, instr consent)
12878 001 DRS, 1-5 cr
4001 Astrophysics I
(A-F only; prerequisite 2001, Phys 2601)
26804 001 LEC, 09:05am-11:00am MTW, Phys 265A; Gehrz, Robert Douglas, 4 cr
4299H Senior Honors Astrophysics Research Seminar
(max crs 2; prerequisite upper div honors student in IT or CLA, instr consent; meets HON req of Honors)
12881 001 SEM, 03:35pm-04:25pm F, Phys 210; Meets with: 12882 AST 8200, Jones, Thomas Walter, 1 cr
4990 Directed Studies
(max crs 5; prerequisite instr consent; meets CLE req Writing Intensive)
12880 001 DRS, 1-5 cr
2990 Directed Studies
(max crs 1-5; prerequisite instr consent)
12999 001 DRS, 1-5 cr
2990 Directed Studies
(max crs 1; prerequisite instr consent)
12998 001 DRS, 1-5 cr
3002 Relativity, Cosmology, and the Universe
(Credit will not be granted if credit has been received for: PHYS 5022; prerequisite [2001, Phys 2601] or instr consent)
29909 001 DRS, 1-5 cr; prerequisites WITS, Phys 133; Meets with: 28427 PHYS 5022, 4 cr
8001 Radiative Processes in Astrophysics
(prerequisite instr consent)
3102 001 LEC, 09:00am-09:55am MWF, Phys 143; Jones, Thomas Walter, 4 cr
8041 Comparative Planetology
(prerequisite instr consent)
3103 001 LEC, 11:15am-12:05pm MTW, Phys 143; Woodward, Charles E, 4 cr
8200 Astrophysics Seminar
(max crs 3; prerequisite instr consent)
12882 001 SEM, 03:35pm-04:25pm F, Phys 210; Meets with: 12881 AST 4299H, Jones, Thomas Walter, 1 cr
8333 FTE: Master's
(NGA; prerequisite Master's student, adviser and DGS consent)
20011 001 THE, 1-24 cr
8444 FTE: Doctoral
(NGA; prerequisite Doctoral student, adviser and DGS consent)
20208 001 THE, 1-24 cr
8666 Doctoral Pre-Thesis Credits
(max crs 60; 4 repeats allowed; NGA; prerequisite Max 18 cr per semester or summer; doctoral student who has passed prelim oral)
20378 001 THE, 1-18 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])
20482 001 THE, 1-18 cr
8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; prerequisite Max 18 cr per semester or summer; 24 cr required)
19755 001 THE, 1-24 cr
8890 Research in Astronomy and Astrophysics
(max crs 4; prerequisite instr consent)
12883 001 DRS, 1-4 cr
BIOSYSTEMS PRODUCTS (BP)
College of Natural Resources
1001 Bio-based Products Orientation
(5-N only)
26901 001 LEC, 01:55pm-03:50pm M, Room TBA; STPAUL; Gehrz, Robert Douglas, 3 cr
26902 002 LEC, 04:30pm-06:25pm M, Room TBA; STPAUL; Gehrz, Robert Douglas, 3 cr
26903 003 LEC, 01:55pm-03:50pm Th, Room TBA; STPAUL; Gehrz, Robert Douglas, 3 cr
26904 004 LEC, 04:30pm-06:25pm Th, Room TBA; STPAUL; Gehrz, Robert Douglas, 3 cr
1901 Freshman Seminar
(max crs 6; prerequisite freshman; meets CLE req of Environment Theme)
33295 001 LEC, 04:00pm-05:15pm MW, Room TBA, TCEASTBANK; one mandatory Saturday field trip, date tba; Seavey, Robert Thomas, 1 cr
33296 002 LEC, 04:00pm-05:15pm Th, Room TBA, TCEASTBANK; one mandatory Saturday field trip, date tba; Seavey, Robert Thomas, 1 cr
3101 Introuductory Statics and Structures for Construction Management
(A-F only; prerequisite Working knowledge of [trigonometry, geometry, algebra])
33230 001 LEC, 06:30pm-08:00pm Th, Skoekl 35; STPAUL; Gehrz, Robert Douglas, 3 cr
3102 Residential Indoor Air Quality
Credit will not be granted if credit has been received for: BP 5102; A-F only; prerequisite [Sr, one yr of college-level [physics or chemistry or biology]] or instr consent)
33323 001 LEC, 04:30pm-06:30pm Th, Phys 125; STPAUL; Gehrz, Robert Douglas, 3 cr
3103 Directed Study
(max crs 3; prerequisite instr consent)
Fuchs, James A, 2 cr
13644 004 LAB, 08:15am-11:55am Th, MB 2-126; Fuchs, James A, 2 cr
13645 005 LAB, 01:15pm-04:55pm Th, MB 2-126; Fuchs, James A, 2 cr
13646 1006 LAB, 05:20pm-09:00pm T, MB 2-126; Fuchs, James A, 2 cr
23465 007 LAB, 05:20pm-09:00pm Th, MB 2-126; Fuchs, James A, 2 cr
4331 Biochemistry I: Structure, Catalysis, and Metabolism in Biological Systems (prereq [Biol 1002 or 1009 or equiv], Chem 2302 or equiv) or instr consent)
13637 001 LEC, 02:30pm-03:35pm MWF, MB 3-120; Murphy, Sharon Elizabeth; Mayo, Kevin Henry, 4 cr
4521 Introduction to Physical Biochemistry (prereq Chem 1022, Math 1272, Phys 1202)
17378 001 LEC, 09:00am-09:55am MW, Room TBA, TCEASTBANK; Walters, Kyle J; Matsuo, Hiroshi, 3 cr
4793W Directed Studies: Writing Intensive (max crs 7; 7 repeats allowed; S-N only; prerequisites: instr consent, dept consent; meets CLE req of Writing Intensive)
20763 001 DRS, 1-7 cr
4974W Directed Research: Writing Intensive (max crs 7; 7 repeats allowed; S-N only; prerequisites: instr consent, dept consent; meets CLE req of Writing Intensive)
20763 001 DRS, 1-7 cr
5001 Biochemistry, Molecular and Cellular Biology (Credit will not be granted if credit has been received for: BIOC 6001; prerequisites: biochemistry course, instr consent)
22433 001 LEC; Meets with BioC 3021, Sec 004; Siliciano, Paul, 2 cr
5361 Microbial Genomics and Bioinformatics (prereq College-level courses in [organic chemistry, biochemistry, microbiology])
23430 001 LEC, 10:15am-11:30am Th, Goel, 239; STPAUL; Wackett, Lawrence Philip; Khodursky, Arka, 3 cr
5527 Introduction to Modern Structural Biology (prereq [intro biochemistry, intro physics] or physical chemistry or instr consent)
18137 001 LEC, 02:30pm-03:20pm MWThF; MB 2-120; Banauskas, Leonard Jerome, 4 cr
5531 Macromolecular Crystallography I: Fundamentals and Techniques (5-S only; prereq [[One organic chemistry or biochemistry course], [two calculus or college physics courses]] or instr approval)
26552 001 DTS, 04:40pm-06:30pm T, MB 2-120; Ohlundod, Douglas, 1 cr
6001 Biochemistry, Molecular and Cellular Biology (Credit will not be granted if credit has been received for: BIOC 5001; P-N only; prerequisites: instr consent, dept consent)
19382 001 LEC, 09:00am-09:55am MWF, MB 2-470; 10:00am-11:55am MWThF, 10:00am-11:55am Th, MB 2-120; Goel, 239; STPAUL; Wackett, Lawrence Philip; Khodursky, Arka, 3 cr
6021 Biochemistry (Credit will not be granted if credit has been received for: BIOC 3021; prereq general biology, organic chemistry, instr consent; intended for MBBS students)
21827 001 LEC, 09:00am-09:55am MWF, MB 3-120; Meets with BioC 3021, Sec 001; Rothen, Robert J; Fuchs, James A, 3 cr
21828 003 LEC, 12:00pm-02:00pm TTh, MB 3-120; Meets with BioC 3021, Sec 004; Siliciano, Paul, 4 cr
8002 Molecular Biology and Regulation of Biological Processes (max crs 7; 5 repeats allowed; S-N only; prerequisites: Grad BBMB major or instr consent)
26564 001 LEC, 09:00am-09:55am MWF, MB 2-122; Harris, Reuben Stewart, 4 cr
8084 Research and Literature Reports (max crs 5; 5 repeats allowed; S-N only; prerequisites: Grad BBMB major or instr consent)
18135 001 SEM, 12:00pm-01:00pm T, Room TBA, TCEASTBANK, 12:00pm-01:00pm T, Room TBA, TCEASTBANK; Hendrickson, Eric A; Ohlendorf, Douglas, 1 cr
14355 002 SEM, 12:00pm-01:00pm F, Goel, 239, STPAUL; Wickett, Michael C; Ohlendorf, Douglas, 1 cr
8184 Graduate Seminar (max crs 5; 5 repeats allowed; S-N only; prerequisites: Grad BBMB major or DGS consent)
14556 001 SEM, 04:00pm-05:00pm W, MB 3-120; Livingston, Dennis M, Thomas; David, D; Ohlendorf, Douglas, 2 cr
8213 Selected Topics in Molecular Biology (Credit will not be granted if credit has been received for: GCD 8213; prerequisites: writ major or instr consent)
19888 001 LEC, 08:00am-09:55am Th, Room TBA, TCEASTBANK, 08:00am-09:55am Th, Room TBA, TCEASTBANK; Meets with: 18934 GCD 8213; Herrera, Julio E; Hendrickson, Eric A; Ohlendorf, Douglas, 4 cr
8290 Current Research Techniques (max crs 9; 3 repeats allowed; S-N only; prerequisites: Grad BBMB major)
26436 001 DRS, 1-3 cr
8333 FTE: Master's (NGA; prerequisites: Master's student, adviser and DGS consent)
19887 001 THE, 1 cr
4444 FTE: Doctoral (NGA; prerequisites: Doctoral student, adviser and DGS consent)
20212 001 THE, 1 cr
8666 Doctoral Pre-Thesis Credits (max crs 60; 4 repeats allowed; NGA; prerequisites: Master's student; doctoral student who has not passed prelim oral)
20381 001 THE, 1-18 cr
8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prerequisites: Master's student; doctoral student who has not passed prelim oral)
20484 001 THE, 1-18 cr
8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; prerequisites: Master's student; doctoral student who has not passed prelim oral)
1978 001 THE, 1-24 cr

**BIOINFORMATICS (Binf)**

777 Mayo, 420 Delaware St SE, East Bank Campus, Minneapolis, MN 55455
612-625-8440, http://www.hinf.umn.edu/ Medical School

**BIOLOGY (Biol)**

123 Snyder Hall, 1475 Gortner Ave, St Paul Campus, St Paul, MN, 55108

College of Biological Sciences

**Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/BIOL**

Topics in Bioinformatics (max crs 12; 6 repeats allowed; S-N only)
29954 001 DRS; Ellis, Lynda B, 1-6 cr

**Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN 55108, 612-624-9200, www.bookstore.umn.edu/1001 Introductory Biology I: Evolutionary and Ecological Perspectives**

**This information is accurate as of:** 4/22/2005

20
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<td>1002W</td>
<td>Introductory Biology II: Molecular, Celluar, and Developmental Perspectives</td>
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<td>(A-F only; prereg [1001 or equiv], Chem 102)</td>
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<td>Credit will not be granted if credit has been received for: BIOL 1001, BIOL 1009H, prereq high school chemistry; 1 term college chemistry recommended; Credit will not be granted if credit has been received for: 1001, 1002V, 1002W; meets CLE req of Biological Sciences/Lab Core</td>
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<td>(S-N only; prereg 1020 and concurrent enrollment 1020)</td>
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<td>Introduction to Biology, Society, and the Environment</td>
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<td>(S-N only; prereq Fr in College of Biological Sciences)</td>
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<td>(max crs 2; A-F only; prereq freshman)</td>
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<td>BIOL 3007W</td>
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**This information is accurate as of: 4/22/2005**

**BIOMEDICAL ENGINEERING (BMEn)**

7-114 Basic Sciences & Biomedical Engineering
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<td>21135</td>
<td>Directed Study</td>
<td>He, Bin</td>
<td>1-4</td>
<td>MW 11:15am - 12:05pm</td>
<td>LindH 217</td>
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<tr>
<td>22840</td>
<td>Directed Biomechanics</td>
<td>Iaizzo, Paul</td>
<td>2 cr</td>
<td>MW 11:15am - 12:05pm</td>
<td>TCEASTBANK</td>
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<td>22832</td>
<td>Directed Research</td>
<td>Wang, Chun</td>
<td>3 cr</td>
<td>MW 11:15am - 12:05pm</td>
<td>TCEASTBANK</td>
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<tr>
<td>23746</td>
<td>Thermoelastic Biomechanics</td>
<td>Anthony</td>
<td>1 cr</td>
<td>M 10:05am - 11:00am</td>
<td>MechE 108</td>
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<tr>
<td>23745</td>
<td>Tissue Engineering</td>
<td>Hubel, PhD</td>
<td>1 cr</td>
<td>W 07:30am - 08:45am</td>
<td>FUMC 1-243</td>
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**Other Courses**

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<td>22850</td>
<td>Advanced Biomechanics</td>
<td>Iaizzo, Paul</td>
<td>1 cr</td>
<td>W 08:00am - 09:05am</td>
<td>Room TBA</td>
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<td>23747</td>
<td>Tissue Engineering</td>
<td>Hubel, PhD</td>
<td>1 cr</td>
<td>W 07:30am - 08:45am</td>
<td>FUMC 1-243</td>
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<tr>
<td>23744</td>
<td>Thermoelastic Biomechanics</td>
<td>Anthony</td>
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<td>W 07:30am - 08:45am</td>
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<td>22851</td>
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<td>Wang, Chun</td>
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<td>23748</td>
<td>Tissue Engineering</td>
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<td>1 cr</td>
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<td>22853</td>
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<td>Iaizzo, Paul</td>
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<td>W 08:00am - 09:05am</td>
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<td>23749</td>
<td>Tissue Engineering</td>
<td>Hubel, PhD</td>
<td>1 cr</td>
<td>W 07:30am - 08:45am</td>
<td>FUMC 1-243</td>
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**Additional Information**

- **University of Minnesota – Class Schedule for Twin Cities Campus**
- **Fall 2005**
- **Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-626-6000, www.bookstore.umn.edu/Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-626-6000, www.bookstore.umn.edu/University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005**
- **This information is accurate as of: 4/22/2005**

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**BIOMEDICAL SCIENCES (BPhy)**

- **B230 Mayo Memorial Building, 420 Delaware St SE, East Bank Campus, Minneapolis, MN, 55455**
- **612/626-6638**
- **Medical School**

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-626-6000, www.bookstore.umn.edu/University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005

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**BIOPHYSICAL SCIENCES (BPhy)**

- **B230 Mayo Memorial Building, 420 Delaware St SE, East Bank Campus, Minneapolis, MN, 55455**
- **612/626-6638**

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-626-6000, www.bookstore.umn.edu/University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005

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This information is accurate as of: 4/22/2005
University of Minnesota – Class Schedule for Twin Cities Campus

Fall 2005

Directed Research in Biophysical Sciences and Medical Physics (max crs 12; prereq instr consent)

FTE: Master's

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

BioAgEng 105

STPAUL; Riehl, Eric Russell, 1-12 cr

Doctoral Pre-Thesis Credits (max cros 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed preinal oral)

BioAgEng 105

STPAUL; Janni, Kevin A, 3 cr

4114W Capstone Design Project (A-F only; prereq 2113, [upper div IT or cr or instr consent; credit will not be granted if credit received for: 4112W, 4112W; meets CLE req of Writing Intensive)

STPAUL; Janni, Kevin A, 3 cr

4744 Engineering Principles for Biological Scientists (Credit will not be granted if credit has been received for: FSCN 4331; A-F only; prereq [Math 1142 or Math 1271], Phys 1101; intended for non engineering students)

BioAgEng 106

STPAUL; Morey, R Vance

5203 Environmental Impacts of Food Production (prereq intended for non-engineering students; Credit will not be granted if credit has been received for AGET 5203)

BioAgEng 106

STPAUL; Smith, David Eugene, 4 cr

BioAgEng 106

STPAUL; Goodrich, Philip R, 4 cr

8333W  Business Communication

CarlSMgmt 1-505

STPAUL; Rinehart, Gerald Dennis, 2 cr

Business Communication

CarlSMgmt 1-505

STPAUL; Lacey, Shawn P, 2 cr

Decision Management

3000 Career Skills (A-F only; prereq CSOM pre-major with 30 credits or upper division major)

Business Administration (BA)

1-505 Carlson School of Management, 321 19th Ave S, West Bank Campus, Minneapolis, MN, 55455

612/625-0027, http://www.csom.umn.edu

Curtis L. Carlson School of Management

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/Non-Carlson students should refer to Registration Instructions for Carlson School of Management Courses, before attempting to register in the 3000-, 4000-, and 5000-level courses listed below.

1001 Introduction to Information Technology (S-N only)

1225 001 IND: (CSOM students only); Lund, Douglas, 1 cr

18992 002 IND: (non-CSOM students only); Lund, Douglas, 1 cr

1910W Freshman Seminar, WI

(max crs 6; 3 repeats allowed; A-F only; prereq freshman; meets CLE req of Writing Intensive)

Business Administration (BA)

1-505 Carlson School of Management, 321 19th Ave S, West Bank Campus, Minneapolis, MN, 55455

612/625-0027, http://www.csom.umn.edu

Curtis L. Carlson School of Management

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/Non-Carlson students should refer to Registration Instructions for Carlson School of Management Courses, before attempting to register in the 3000-, 4000-, and 5000-level courses listed below.
CHEMICAL ENGINEERING (ChEn)

151 Amundson Hall, 421 Washington Ave SE, East Bank Campus, Minneapolis, MN, 55455
612/625-1313, www.cchem.umn.edu

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/Minneapolis, MN, 55455

Central Asian Studies

214 Nolte Center, 315 Pillsbury Drive, East Bank Campus, Minneapolis, MN, 55455
612/624-3351

College of Liberal Arts

This information is accurate as of: 4/22/2005
Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu

CHEMICAL PHYSICS (ChPh)
139 Smith Hall, 207 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612/626-7444, http://chem.umn.edu/chemphys/

Institute of Technology

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300
Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu

This information is accurate as of: 4/22/2005

28
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])

20490 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)

19585 001 THE, 1-24 cr

CHICANO STUDIES (Chic)
2 Scott Hall, 72 Pleasant Street SE, East
Bank Campus, Minneapolis, MN, 55455
612/624-6309.
http://cla.umn.edu/chicano
College of Liberal Arts

Course materials are available at University of
Minnesota Bookstore, Coffman Union, 300
Washington Ave SE, Minneapolis, MN 55455,
612-625-6600, www.bookstore.umn.edu/

1102 Latinos in the United States: Culture
and Citizenship
(meets CLE req of Cultural Diversity
Theme; meets CLE req of Historical
Perspective Core; meets HON req of
Hiners)

32975 001 LEC, 12:45pm-2:00pm TTh, ScottH 4;
Meets with: 32976 CHIC 1102H; Ruiz, Jason
Michael, 4 cr

1102H Latinos in the United States: Culture
and Citizenship
(A-F; meets CLE req of Cultural Diversity
Theme; meets CLE req of Historical
Perspective Core)

32976 001 LEC, 12:45pm-2:00pm TTh, ScottH 4;
Meets with: 32975 CHIC 1102H; Ruiz, Jason
Michael, 4 cr

907FW Freshman Seminar
(A-F; prereq Fr; meets CLE req of Cultural Diversity
Theme; meets CLE req of Writing
Intensive)

32329 001 LEC, 04:30pm-07:00pm M, FolH 312;
Mendoza, Louis Gerald, 3 cr

2275 Service Learning in the Chicano/Latino
Community

33212 001 LEC, 01:25pm-03:25pm M, Room TBA,
TCEASTBANK; Ganley, Kathleen Marie, 3 cr

3211 Chicano Cultural Studies: Barrio
Aesthetics and the Aesthetics of
Everyday Life
(meets CLE req of Cultural Diversity
Theme; meets CLE req of Other Humanities
Core)

32985 001 LEC, 04:00pm-05:15pm TTh, ScottH 4;
Aguirre, Fernando Mauricio, 3 cr

3374 Migrant Farmworkers in the U.S.: Families,
Work, and Advocacy
(meets CLE req of Cultural Diversity
Theme; meets CLE req of Social Science
Core)

32986 001 LEC, 06:20pm-08:30pm T, ScottH 4; Sass
Zaragoza, Lisa, 3 cr

3507 Introduction to Chicana(o) Literature
(meets CLE req of Cultural Diversity
Theme; meets CLE req of Literature Core)

32564 001 LEC, 06:20pm-08:30pm W, FullH 208;
Mendoza, Louis Gerald, 3 cr

3852 Chicana/o Politics
(meets CLE req of Cultural Diversity
Theme)
University of Minnesota – Class Schedule for Twin Cities Campus

Fall 2005

CHILD PSYCHOLOGY (CPsy)

104 Child Development, 51 E. River Road, East Bank Campus, Minneapolis, MN, 55455

612/624-0526, http://education.umn.edu/icd

College of Education & Human Development

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455; 612-625-6000, www.bookstore.umn.edu/

2301 Introductory Child Psychology (A-F only; prereq 4 cr in psych; meets CLE req of Social Science Core)

001 L EC, 09:45am-11:00am TTH, SciCB 175; Meets with: 13373 CPsy 2301; Warren, Henriette, 4 cr

13336 002 DIS, 10:10am-11:00am M, ChDev 105; Meets with: 13374 CPsy 3301; Warren, Henriette, 4 cr

13337 003 DIS, 10:00am-11:00am W, ChDev 105; Meets with: 13375 CPsy 3301; Warren, Henriette, 4 cr

13338 004 DIS, 10:10am-11:00am F, ChDev 105; Meets with: 13376 CPsy 3301; Warren, Henriette, 4 cr

13339 005 DIS, 11:15am-12:15pm M, ChDev 105; Meets with: 13377 CPsy 3301; Warren, Henriette, 4 cr

13340 006 DIS, 11:15am-12:15pm W, ChDev 105; Meets with: 13378 CPsy 3301; Warren, Henriette, 4 cr

13341 007 DIS, 11:15am-12:15pm F, ChDev 105; Meets with: 13379 CPsy 3301; Warren, Henriette, 4 cr

21668 1008 LET, 06:00pm-09:00pm T, FraserH 101; Meets with: 21669 CPsy 3301; Sera, Maria D, 4 cr

3301 Introductory Child Psychology for Social Sciences

001 L EC, 09:45am-11:00am TTH, SciCB 175; Meets with: 13335 CPsy 2301; Warren, Henriette, 4 cr

13774 002 DIS, 10:10am-11:00am M, ChDev 105; Meets with: 13336 CPsy 2301; Warren, Henriette, 4 cr

13775 003 DIS, 10:00am-11:00am W, ChDev 105; Meets with: 13337 CPsy 2301; Warren, Henriette, 4 cr

13776 004 DIS, 10:10am-11:00am F, ChDev 105; Meets with: 13338 CPsy 2301; Warren, Henriette, 4 cr

13777 005 DIS, 11:15am-12:15pm M, ChDev 105; Meets with: 13339 CPsy 2301; Warren, Henriette, 4 cr

13778 006 DIS, 11:15am-12:15pm W, ChDev 105; Meets with: 13340 CPsy 2301; Warren, Henriette, 4 cr

13779 007 DIS, 11:15am-12:15pm F, ChDev 105; Meets with: 13341 CPsy 2301; Warren, Henriette, 4 cr

21669 1008 LET, 06:00pm-09:00pm T, FraserH 101; Meets with: 21668 CPsy 3301; Sera, Maria D, 4 cr

3308 Introduction to Research Methods in Child Psychology (A-F only; prereq 2301, Psy 1001)

13345 001 LEC, 01:25pm-02:55pm MWF, Room TBA, TCEASTBANK; Karatekin, Canan, 3 cr

32118 002 LEC, 09:45am-11:00am TTH, FoshD B29, 4 cr

4302 Infant Development (A-F only; prereq 2301 or instr consent)

23017 001 LEC, 09:45am-11:00am TTH, SciCB 175; Warren, Henriette, 4 cr

4303 Adolescent Psychology (A-F only; prereq Psy 1001)

13342 001 LEC, 02:30pm-03:45pm TTH, SciCB 175; Warren, Henriette, 4 cr

4310 Special Topics in Child Development (max crs 12; 3 repeats allowed; prereq Psy 1001, CPsy yr)

29512 001 LEC, 09:00am-10:25/45; Overview of STEEP, a preventive intervention program for high-risk families. Demonstration, discussion, 1-4 cr

3830 Developmental Psychology: Cognitive Processes

14043 001 BEX, 09:00am-11:15am TTH, ChDev 172, 4 cr

8321 Seminar: Current Issues in Teaching Developmental Psychology (max crs 2; prereq CPsy doctoral student or instr consent)

21423 001 SEM, 02:00pm-03:00pm Th, ChDev 106; Slawik, Nora B, 1 cr

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

20024 01 THE, 1 cr

8360 Seminar: Developmental Psychology (max crs 21; 7 repeats allowed; prereq Doctoral student)

24979 006 SEM; Dev Neuroscience of Stress/Emot; concurrent enrollment in CPsy 8301 001 is required; Gunnar PhD, Megan R, 1-3 cr

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

20225 001 THE, 1 cr

8606 Advanced Developmental Psychopathology (prereq Doctoral student or instr consent)

14371 001 SEM, 12:45pm-02:00pm MW, ChDev 172; Slawik, Nora B, 3 cr

8666 Doctoral Pre-Thesis Credits (max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)

19793 001 THE, 1-18 cr

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

20496 001 THE, 1-24 cr

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

19890 Research Seminar in Child Psychology (max crs 15; 15 repeats allowed; prereq Doctoral student)

29808 001 SEM, 08/06/05-01/13/06; Research Seminar: Ethics and Professional Issues; Crick, Nicki R, 1-2 cr

8893 Directed Study in Child Psychology (max crs 4; prereq Doctoral student or instr consent)

14998 001 SEM, 1-4 cr

8894 Research Problems in Child Psychology (max crs 15; 15 repeats allowed; prereq Doctoral student or instr consent)

20154 001 SEM; Collins, W Andrew, 1-6 cr

20155 002 SEM; Crick, Nicki R, 1-6 cr

20156 003 SEM; Egeland, Byron R, 1-6 cr

20157 004 SEM; Gunnar PhD, Megan R, 1-6 cr

20158 005 SEM; Karatekin, Canan, 1-6 cr

20159 006 SEM; Maratos, Michael P, 1-6 cr

20160 007 SEM; Thomas, Kathleen M, 1-6 cr

20161 008 SEM; Weinberg, Richard A, 1-6 cr

20162 009 SEM; Yonas, Albert, 1-6 cr

20163 010 SEM; Yonas, Albert, 1-6 cr

20164 011 SEM; Yonas, Albert, 1-6 cr

20165 012 SEM; Yonas, Albert, 1-6 cr

20166 013 SEM; Warren, Henriette, 1-6 cr

8996 Directed Field Experiences in Child Psychology (max crs 6; S-N only; prereq Doctoral student, instr consent)

14476 001 PKW, 1-6 cr

CHINESE (Chn)

453 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
3311 Rock Mechanics I
(Credit will not be granted if credit has been received for: GEOE 3311; A-F only; prereq IT, AEM 3031)

3401 Linear Structural Analysis
(A-F only; prereq Grade of at least C- in GEOE 3301, IT)

29966 001 CST, 02:15pm-03:30pm TTh, CivE 210; Meets with: 3402
33078 001 IND, 3 cr
(Credit will not be granted if credit has been received for: GE 3301; A-F only; prereq IT, AEM 3031

3402 Construction Materials
(A-F only; prereq grade of at least C- in GEOE 3301, IT)

3501 Environmental Engineering
(A-F only; prereq Chem 1022, Phys 1300;
meets CLE req of Citizenship/ Public Ethics

3502 Fluid Mechanics
(A-F only; prereq [AEM 2012 or AEM 3031]. Math 2373, [IT or ForP major])

4101W Project Management
(prereq Upper div IT or construction management; meets CLE req of Writing Intensive)

411 Engineering Systems Analysis
(Credit will not be granted if credit has been received for: GE 4111; prereq Upper div IT)

4121 Computer Applications in Civil Engineering II
(Credit will not be granted if credit has been received for: GE 4121; A-F only; prereq CE or upper div GeoE;
3101, Math 2243, Math 2263)

4201 Highway Design
(A-F only; prereq CE or upper div GeoE or grad, 3202, 3201 or instr consent)

4301 Soil Mechanics II
(Credit will not be granted if credit has been received for: GE 3301; A-F only; prereq [3301 or GeoE 3301], upper div IT or instr consent)

4311 Rock Mechanics II
(Credit will not be granted if credit has been received for: GE 4311; A-F only; prereq [3301 or GeoE 3301], upper div IT or instr consent)

4341 Geostatistics
(Credit will not be granted if credit has been received for: GE 4341; A-F only; prereq CE;
GeoE or upper div Geo or Grad, Stat 3301 or instr consent)

4351 Groundwater Mechanics
(Credit will not be granted if credit has been received for: GE 4351; A-F only; prereq Upper div IT or Grad, GE 3301 or instr consent)

4401 Steel and Reinforced Concrete Design I
(A-F only; prereq Grade of at least C- in 3401,
concurrent enrollment 3402, [upper div IT or grad student])

4411 Matrix Structural Analysis
(A-F only; prereq Grade [of at least C- in 3101, 3401] or in a CSci programming course,
[upper div IT or grad student]) or instr consent

4412 Reinforced Concrete Design II
(A-F only; prereq [Grade of at least C- in 4401] or [upper div IT or grad student]) or instr consent;
4411 recommended)

4551 Environmental Process Engineering
(A-F only; prereq 3501, concurrent enrollment in 4541)

5094 Civil Engineering Research
(max cxs 4; 4 repeats allowed; prereq instr consent)

5170 Internet Based Study
(max cxs 15; 5 repeats allowed; A-F only; prereq Upper div IT)

5180 Special Topics
(max cxs 4; 4 repeats allowed; A-F only; prereq instr consent)

521 Trafi c Engineering
(prereq 3201, Stat 3201 or equiv)

5212 Transportation Policy, Planning, and Deployment
(prereq 3201 or equiv)

5214 Transportation Systems Analysis
(prereq 3201)

3301 CST, 3 cr
4121 CST, 3 cr
4201 CST, 3 cr
4301 CST, 3 cr
4311 CST, 3 cr
4341 CST, 3 cr
4351 CST, 3 cr
4401 CST, 3 cr
4411 CST, 3 cr
4412 CST, 3 cr
4551 CST, 3 cr
5094 CST, 3 cr
5170 CST, 3 cr
5180 CST, 3 cr
521 CST, 3 cr
5212 CST, 3 cr
5214 CST, 3 cr
5231 Pavement Management and Rehabilitation
(prereq Upper div IVT or grad, CE 4231 or instr consent)
33102 001 LEC, 3 cr
5311 Experimental Geomechanics
(Credit will not be granted if credit has been received for: GEODE 5311; A-F only; prereq Upper div IVT or grad, 4301, GEODE 4301 or instr consent)
29975 001 LEC, 02:30pm-03:45pm TTh, CivE 213; Labuz, Joseph F, 3 cr
5321 Geomechanics
(Credit will not be granted if credit has been received for: GEODE 5321; A-F only; prereq Upper div IVT or grad, 4301 or GEODE 4301)
29975 001 LEC, 3 cr
5341 Wave Methods for Nondestructive Testing
(A-F only; prereq [AEM 2021, AEM 3031] or instr consent)
001 L E C 26706 002 LAB, 4 cr
5411 Applied Structural Mechanics
(A-F only; prereq [Grade of at least C- in 4401, [upper div IVT or grad student]) or instr consent)
29943 001 LEC, 12:45pm-02:00pm TTh, CivE 205, 3 cr
5541 Environmental Water Chemistry
(max crs 4; A-F only; prereq 3501, Chem 1021, Chem 1022)
14242 001 LEC, 10:00am-11:00am MW, CivE 205; Arnold, Bill, 3 cr
5551 Environmental Microbiology
Laboratory
(A-F only; prereq 3501, [upper div or grad student])
001 L E C 001 LEC, 09:45am-11:00am TTh, CivE 202; LeFevre, Karla M, 1 cr
31242 002 LAB, 02:30pm-04:30pm Th, CivE 650; LeFevre, Karla M, 4 cr
5591 Environmental Law for Engineers
(A-F only; prereq upper div IVT or grad or instr consent)
18532 001 LEC, 05:00pm-06:00pm TTh, CivE 210; Braaten, Bruce C, 3 cr
8094 Civil Engineering Research
(max crs 12; 12 repeats allowed; prereq instr consent)
14277 001 DR S, 1-4 cr
20105 002 D R S, 1-4 cr
14278 003 D R S, 1-4 cr
8200 Seminar - Transportation
(max crs 3; 3 repeats allowed; S-N only)
22670 001 SEM, 11:15am-12:05pm F, CivE 212; Levinson, David M, 1 cr
8211 Theory of Traffic Flow
13859 001 LEC, 4 cr
8213 Advanced Transportation Technologies Seminar
(Credit will not be granted if credit has been received for: ME 8372; S-N only)
29905 001 SEM, 03:30pm-04:30pm T, Room TBA, TCEASTBANK, 03:30pm-04:30pm T, Room TBA, TCEASTBANK, 03:30pm-04:30pm T, Room TBA, TCEASTBANK, 03:30pm-04:30pm T, Room TBA, TCEASTBANK, 03:30pm-04:30pm T, Room TBA, TCEASTBANK, 03:30pm-04:30pm T, Room TBA, TCEASTBANK, Meets with: 23780 ME 8772; Donah, Max, 1 cr
8233 Advanced Inhomogeneous Materials Characterization
(prereq [3402, grad student] or instr consent)
31320 001 LAB, 11:15am-12:05pm MW, CivE 205; Maines, Matthew, 1 cr
8300 Seminar: Geomechanics
(Credit will not be granted if credit has been received for: GEODE 8300; max crs 4; 4 repeats allowed; S-N only)
20114 001 SEM, 11:15am-12:05pm F, CivE 210; Meets with: 32113 GEODE 8300; Drescher, Andrew, 1-3 cr
8333 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)
20016 001 THE, 1 cr
8341 Dynamics of Soils and Foundations
(A-F only; prereq Basic courses in soil mechanics-dynamics or instr consent)
31288 001 LEC, 11:15am-12:05pm TTh, CivE 205; Guzina, Bojan B, 4 cr
8351 Advanced Groundwater Mechanics I
(Credit will not be granted if credit has been received for: GEODE 8351; A-F only; prereq 4301 or GEODE 4351, 1st year student or instr consent)
26429 001 LEC, 1 cr
8400 Seminar: Structures
(max crs 3; 3 repeats allowed; S-N only)
14172 001 SEM, 09:00am-09:55am F, CivE 205; Hajjar, Jerome F, 1 cr
8402 Nonlinear Finite Element Analysis
(A-F only; prereq 8401 or instr consent; offered only yrs)
26409 001 LEC, 1 cr
8421 Structural Dynamics
(A-F only; prereq [3401, AEM 2012] or instr consent; concurrent enrollment 4411 recommended)
14105 '001 LEC, 05:00pm-06:45pm TTh, CivE 202; Stoliaruk, Henry Konstanty, 3 cr
8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
20218 001 THE, 1 cr
8451 Behavior of Reinforced Concrete Structures
(A-F only; prereq 4412 or instr consent)
26411 001 LEC, 11:15am-12:05pm TTh, CivE 202; Gra dying, Theodore V, 3 cr
8461 Structural Reliability
(A-F only; prereq [4412, 4413] or instr consent)
29945 001 LEC, 08:00am-09:15am TTh, CivE 214; Galambos, Theodore V, 3 cr
8500 Environmental Seminar
(max crs 3; 3 repeats allowed; S-N only; prereq grad CE major or instr consent)
32531 001 SEM, 03:35pm-04:25pm F, CivE 210, 1 cr
8501 Environmental Fluid Mechanics I
(A-F only; prereq 3502 or equiv or instr consent)
14236 001 LEC, 09:00am-11:00am MW, CivE 194, 4 cr
8503 Environmental Mass Transport
(A-F only; prereq 3502, 3501 or equiv or instr consent)
29888 001 LEC, 12:45pm-02:00pm TTh, CivE 214; Honda, Miki, 4 cr
8507 Advanced Methods in Hydrology
(A-F only; prereq [GEODE 8500; CivE 210])
31260 001 LEC, 10:00am-12:00pm TTh, CivE 214; Foufoula, Efthymiou, 4 cr
8551 Environmental Microbiology
: Molecular Theory and Methods
(A-F only; prereq 5551 or instr consent)
13201 001 LEC, 02:00pm-02:50pm F, CivE 214; Foufoula, Efthymiou, 4 cr
8666 Doctoral Pre-Thesis Credits
(max crs 60; 60 repeats allowed; NA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
20387 001 THE, 1-3 cr
8777 Thesis Credits: Master's
(max crs 50; 50 repeats allowed; NA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
20489 001 THE, 1-1 cr
8888 Thesis Credit: Doctoral
(max crs 100; 100 repeats allowed; NA; prereq Max 18 cr per semester or summer; 24 cr required)
19584 001 THE, 1-24 cr
34
4484 FTE: Doctoral
   (NGA; prereq Doctoral student, adviser and
   DGS consent)
26940 001 THE, 1 cr
8666 Doctoral Pre-Thesis Credits
   (max crs 60; 4 repeats allowed; NGA; max 18 cr
   per semester or summer; doctoral student who
   has not passed prelim oral)
26941 001 THE, 1-18 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))
26942 001 THE, 1-18 cr
8888 Thesis Credits: Doctoral
   (max crs 100; 10 repeats allowed; NGA; max 18 cr
   per semester or summer; 24 cr required)
26943 001 THE, 1-24 cr

CLASSICAL CIVILIZATION
   (CIV)
300 Folwell Hall, 9 Pleasant Street SE,
   East Bank Campus, Minneapolis, MN,
   55455
612/625-7565, http://cnces.cla.umn.edu

Course materials are available at University of
Minnesota Bookstore, Coffman Union, 300
Washington Ave SE, Minneapolis, MN 55455,
612/625-6000, www.bookstore.umn.edu

CLINICAL LABORATORY
   SCIENCE (CLS)
D-342 Mayo (Box 609 UHMC), 420
   Delaware Street SE, East Bank Campus,
   Minneapolis, MN, 55455
612/625-9171

Medical School

Course materials are available at University of
Minnesota Bookstore, Coffman Union, 300
Washington Ave SE, Minneapolis, MN 55455,
612/625-6000, www.bookstore.umn.edu/
5090 Special Laboratory Methods
   (Credit will not be granted if credit has been
   received for: MEDT 4090; max crs 2; A-F
   only; prereq instructor consent)
16505 001 LAB, Wells, Carol Lee, 1-2 cr
5104 Principles of Diagnostic Microbiology:
   Lecture
   (Credit will not be granted if credit has been
   received for: MEDT 4104; A-F only; prereq
   one microbiology course with lab, one
   biochemistry course, instructor consent)
22228 001 LEC, 10:10am-11:00am MW, Room TBA,
   TCEASTBANK; Meets with: 22226 MEDT
   4104; Wells, Carol Lee, 2 cr
5105 Principles of Diagnostic Microbiology:
   Laboratory
   (Credit will not be granted if credit has been
   received for: MEDT 4105; A-F only; prereq
   One microbiology course with lab, one
   biochemistry course, instructor consent)
22229 001 LAB, 10:00am-3:00pm WThF, Room TBA,
   TCEASTBANK; Meets with: 22227 MEDT
   4105; Wells, Carol Lee, 2 cr
5120 Seminar: Clinical Laboratory Science
   (max crs 3; 3 repeats allowed; S-N only;
   prereq instructor consent)
16215 001 SEM, 12:00pm-01:00pm F, Room TBA;
   Meets with: 20368 CLS 5121; Tsai, Michael Y, 1 cr
5121 Journal Presentations
   (max crs 2; S-N only; prereq 1st yr CLS
   grad student)
20368 001 DIS, 12:00pm-01:00pm F, Room TBA;
   Meets with: 16215 CLS 5120; Tsai, Michael Y, 1 cr
5125 Practicum Teaching
   (max crs 2; A-F; prereq instructor consent)
16504 001 PRC, Tsai, Michael Y, 1-2 cr
5135 Advanced Clinical Microbiology
   (A-F only; prereq instructor consent)
16966 001 DST, Wells, Carol Lee, 3 cr
5140 Techniques for Teaching
   (A-F only; prereq instructor consent)
16982 001 DST, Tsui, Michael Y, 1-2 cr
5155 Advanced Clinical Hematology
   (A-F only; prereq instructor consent)
16959 001 DST, Swinehart, Cheryl D, 3 cr
5165 Advanced Clinical Immunohematology
   (A-F only; prereq instructor consent)
16956 001 DST, Tudor, Kim-Sue R, 3 cr
5175 Advanced Clinical Chemistry
   (A-F only; prereq instructor consent)
16962 001 DST, Tsui, Michael Y, 3 cr
5251 Hematology I: Basic Techniques
   (Credit will not be granted if credit has been
   received for: MEDT 4251; A-F only; prereq
   instructor consent)
16980 001 L, EC, 09:05am-09:55am M, Room TBA,
   TCEASTBANK; Meets with: 17952 MEDT
   4251, 25710 MEDT 4251; Swinehart, Cheryl D
   002 LAB, 09:00am-12:00pm T, Room TBA,
   TCEASTBANK, 09:00am-12:00pm Th, Room TBA,
   TCEASTBANK; Meets with: 17953 MEDT
   4251, 25711 MEDT 4251; Swinehart,
   Cheryl D, 3 cr
5310 Clinical Chemistry I: Lecture
   (Credit will not be granted if credit has been
   received for: MEDT 4310; A-F only; prereq
   organic chemistry course with lab biochem
   course, instructor consent)
16960 001 LEC, 11:15am-12:05pm MW, Room TBA,
   TCEASTBANK; Meets with: 17960 MEDT
   4310; Spansos-Martín, Donna J, 2 cr
5311 Clinical Chemistry I: Laboratory
   Applications
   (Credit will not be granted if credit has been
   received for: MEDT 4311; A-F only; prereq
   One organic chemistry course with lab; one
   biochemistry course, instructor consent)
16961 001 LAB, 12:30pm-04:30pm MT, Room TBA,
   TCEASTBANK, 12:30pm-04:30pm MT, Room TBA,
   TCEASTBANK; Meets with: 17955 MEDT
   4311, Spanish-Martin, Donna J, 2 cr
5768 Advanced Hematology
   (max crs 30; 6 repeats allowed; A-F only;
   prereq instructor consent)
16526 001 PRC, Nguyen, Phuong Lan, 5-10 cr
5864 Research Seminar
   (max crs 10; 10 repeats allowed; S-N only;
   prereq instructor consent)
17040 001 SEM, 12:00pm-04:00pm M, Mayo C231;
   Fordt, Leo T, 1 cr
5865 Departmental Seminar
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<th>Days</th>
<th>Location</th>
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<tr>
<td>33289</td>
<td>001 LEC, 11:15am-12:05pm MWF, FordH B29; Jones, Susanne Margarethe, 3 cr</td>
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<td>4471</td>
<td>Communication and Marriage and Family (prereq 3401 or 3402 or instr consent)</td>
<td>3 cr</td>
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<td>5110</td>
<td>Special Topics in Communication Theory (max crs 60)</td>
<td>3 cr</td>
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<td>5233W</td>
<td>Electronic Media and National Development (meets CLE req of Writing Intensive)</td>
<td>3 cr</td>
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<td>1101</td>
<td>001 LEC, 04:00pm-05:15pm TTH, FordH B10, 3 cr</td>
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<td>1402</td>
<td>001 LEC, 04:00pm-05:15pm TTH, FordH B29; Albert, Rosita D, 3 cr</td>
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<td>3601</td>
<td>Introduction to Rhetorical Theory (prereq 1101); meets CLE req of Citizenship/Public Ethics Theme</td>
<td>3 cr</td>
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<tr>
<td>3625</td>
<td>Communication Ethics (A-F only; prereq 1101); meets CLE req of Citizenship/Public Ethics Theme</td>
<td>3 cr</td>
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<td>3631W</td>
<td>Freedom of Speech (meets CLE req of Citizenship/Public Ethics Theme; meets CLE req of Writing Intensive)</td>
<td>3 cr</td>
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<td>4407</td>
<td>Communication and Conflict (A-F only; prereq 3401 or instr consent)</td>
<td>3 cr</td>
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<td>5210</td>
<td>Contemporary Problems in U.S. Electronic Media (prereq 3211)</td>
<td>3 cr</td>
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<td>5251W</td>
<td>Communication and the Intercultural Experience (prereq planning an intercultural experience; meets CLE req of International Perspective Theme; meets CLE req of Writing Intensive)</td>
<td>3 cr</td>
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<td>5402</td>
<td>Advanced Interpersonal Communication (prereq 3401 or 3402)</td>
<td>3 cr</td>
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<td>5451W</td>
<td>Intercultural Communication Processes (meets CLE req of International Perspective Theme; meets CLE req of Writing Intensive)</td>
<td>3 cr</td>
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<td>5790</td>
<td>Directed Study (max crs 6; 6 repeats allowed; S-N only; prereq Nine 3xxx-5xxx Sph cr, instr consent, dept consent, college consent)</td>
<td>3 cr</td>
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<td>5994</td>
<td>Communication Research Practicum (max crs 6; repeats allowed; S-N only; prereq instr consent)</td>
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<td>6866</td>
<td>Doctoral Pre-Thesis Credits (max crs 18; NSA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)</td>
<td>3 cr</td>
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<td>8777</td>
<td>Thesis Credits: Master's (max crs 18; NSA; prereq Max 18 cr per semester or summer; 10 cr total required)</td>
<td>3 cr</td>
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<tr>
<td>8888</td>
<td>Thesis Credit: Doctoral (max crs 24; NSA; prereq Max 18 cr per semester or summer; 24 cr required)</td>
<td>3 cr</td>
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<tr>
<td>9894</td>
<td>Directed Research (max crs 6; 6 repeats allowed; S-N only)</td>
<td>3 cr</td>
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**COMPARATIVE AND MOLECULAR BIOSCIENCES (CMB)**

**College of Veterinary Medicine**

<table>
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<tr>
<th>Code</th>
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<th>Time</th>
<th>Days</th>
<th>Location</th>
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<tbody>
<tr>
<td>32677</td>
<td>Research Rotation in Molecular Veterinary Biosciences</td>
<td>3 cr</td>
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<tr>
<td>5200</td>
<td>Statistical Genetics and Genomics (Credit will not be granted if credit has been received for: ANSC 5200; A-F only)</td>
<td>3 cr</td>
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<tr>
<td>5954</td>
<td>Directed Research in Molecular Veterinary Biosciences (max crs 4; 4 repeats allowed; A-F only; prereq Jr)</td>
<td>3 cr</td>
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<tr>
<td>8100</td>
<td>Research Rotation in Molecular Veterinary Biosciences (max crs 8; A-F only; prereq 1st yr MVB grad student)</td>
<td>3 cr</td>
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<tr>
<td>8134</td>
<td>Ethical Conduct of Animal Research (A-F only; prereq [Grad or professional school student or instr consent])</td>
<td>3 cr</td>
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<tr>
<td>8201</td>
<td>Mechanisms of Animal Health and Disease I (A-F only; prereq 1st yr MVB grad student or approval of core coordinator)</td>
<td>3 cr</td>
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<tr>
<td>8333</td>
<td>FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)</td>
<td>3 cr</td>
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<tr>
<td>8361</td>
<td>Neuro-Immune Interactions Inter (Credit will not be granted if credit has been received for: NSC 8026, PSY 8026; prereq [MicB 5218 or equiv.]; [NSC 5561 or equiv])</td>
<td>3 cr</td>
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<tr>
<td>8371</td>
<td>Mucosal Immunobiology (Credit will not be granted if credit has been received for: MICA 8371, OHIO 8371; A-F only; prereq MICA 8001 or equiv or instr consent)</td>
<td>3 cr</td>
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<tr>
<td>8394</td>
<td>Research in Comparative Biomedical Sciences (max crs 18; 5 repeats allowed; prereq Grad MVMB major)</td>
<td>3 cr</td>
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<tr>
<td>8444</td>
<td>FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)</td>
<td>3 cr</td>
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</tr>
</tbody>
</table>

This information is accurate as of: 4/22/2005

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**University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005**

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This information is accurate as of: 4/22/2005
received for: NSC 8481, PHM 8481; A-F only; prereq Instr consent)
27974 001 LEC, 08:15am-08:45am MTh, Mood 2-580; Meets with: 29251 NSC 8481; Fairbanks, Carolyn Ann, 3 cr
8494 Research in Molecular Mechanisms of Disease (max crs 18; 18 repeats allowed; prereq Grad MVB major)
26631 002 DRS; Rutherford, Mark Stephen, 1-6 cr
8550 Molecular Veterinary Biosciences Seminar (max crs 8; 8 repeats allowed; S-N only; prereq Biol sciences grad student)
19246 001 SEM, 12:00pm-01:00pm T, Vorb 215, STPAUL; Njenga, M. Karuki, 1 cr
8560 Research and Literature Reports (max crs 8; 8 repeats allowed; S-N only; prereq Grad MVB major or instrument)
19247 001 SEM, 09/06/05-11/24/05; Rutherford, Mark Stephen, 1 cr
8570 Comparative Biomedical Sciences Seminar (max crs 8; 8 repeats allowed; S-N only; prereq Biol sciences grad student)
18821 001 SEM, 03:00pm-04:00pm W, Room TBA, STPAUL; Walshack, Bruce Kenneth, 1 cr
8666 Doctoral Pre-Thesis Credits (max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
20436 001 THE, 1-18 cr
8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
20536 001 THE, 1-18 cr
8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; N GA; prereq Max 18 cr per semester or summer; 24 cr required)
19028 001 THE, 1-24 cr

COMPARATIVE LITERATURE (CLit)
350 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
512/625-6000, www.bookstore.umn.edu/CLit
5910 Topics in Comparative Literature (max crs 24; 8 repeats allowed)
26866 001 SEM, 02:30pm-03:00pm T, Folli 419, 02:30pm-03:00pm Th, Folli 419; Ganguly, Keya, 3 cr; Satyajit Ray
31177 002 SEM, 02:30pm-03:00pm T, Folli 38; Meets with: 31339 CSCL 5910, 31192 GER 5410; Zipes, Jack, 3 cr; Anderson, Bros Grimm, German Romantics-Lit & Film
5992 Directed Reading in Comparative Literature (max crs 9; 9 repeats allowed; prereq instr consent)
15853 001 DRS, 1-3 cr
8001 Basic Seminar in Comparative Literature I (max crs 9; 9 repeats allowed; prereq instr consent)
15853 001 DRS, 1-3 cr
8001 Basic Seminar in Comparative Literature I (max crs 9; 9 repeats allowed; prereq instr consent)
16232 001 SEM, 0125pm-04:00pm M, Folli 348; Meets with: 23027 CSCL 5910; Ganguly, Keya, 3 cr; Satyajit Ray
8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
20026 001 THE, 1 cr
8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
20021 001 THE, 1 cr
8488 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
20021 001 THE, 1 cr
8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
20026 001 THE, 1 cr
8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
20021 001 THE, 1 cr

COMPARATIVE STUDIES IN DISCOURSE AND SOCIETY (CSDS)
350 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-8099, http://cscl.cla.umn.edu/College of Liberal Arts

COMPARATIVE LITERATURE

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/CLit
5910 Topics in Comparative Literature (max crs 24; 8 repeats allowed)
24640 001 LEC, 02:30pm-05:00pm T, Folli 348, 02:30pm-03:00pm Th, Folli 348; Meets with: 23027 CSCL 5910; Ganguly, Keya, 3 cr; Satyajit Ray
5993 Directed Study (max crs 9; 9 repeats allowed; prereq instr consent)
15852 001 DST, 1-3 cr
8001 Basic Seminar in Comparative Literature I (max crs 9; 9 repeats allowed; prereq instr consent)
16233 001 SEM, 0125pm-04:00pm M, Folli 348; Meets with: 16232 CLIT 8001; Mowitt, John W, 4 cr
8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
20026 001 THE, 1 cr
8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
20021 001 THE, 1 cr
8666 Doctoral Pre-Thesis Credits (max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
20395 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)
19592 001 THE, 1-24 cr

COMPUTER SCIENCE (CSci)
4-192 EE/CSci, 200 Union Street SE, East Bank Campus, Minneapolis, MN, 55455

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/Institute of Technology

Advanced Topics in Comparative Studies in Discourse and Society (max crs 32; 8 repeats allowed)
17987 001 SEM, 01:00pm-03:30pm W, Room TBA, TCEASTBANK; Meets with: 17988 CLIT 8910; Leppert, Richard, 4 cr
24430 002 SEM, 12:00pm-02:00pm T, Room TBA, TCEASTBANK; Messer-Davidow, Ellen, 4 cr
8993 Directed Study in Comparative Studies in Discourse and Society (max crs 12; 12 repeats allowed; prereq instr consent)
15351 001 DST, 1-4 cr
8994 Directed Research in Comparative Studies in Discourse and Society (max crs 4; prereq instr consent)
16974 001 DRS, 1-4 cr

COMPUTER SCIENCE (CSci)
4-192 EE/CSci Building, 200 Union Street SE, East Bank Campus, Minneapolis, MN, 55455

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/Institute of Technology
An IT computer fee is assessed at the time of registration for the following course: CSci 1001, 1103, 1107, 1113, 1121, 1901, 1902, 2021, 2031, 2121, 3003, 3081W, 4041, 4061, 4107, 4131, 4203, 4211, 4707, 4905W, 4980, 5103, 5104, 5105, 5106, 5107, 5108, 5109, 5115, 5116, 5131, 5143, 5161, 5204, 5211, 5271, 5283, 5285, 5302, 5304, 5321, 5451, 5471, 5481, 5511, 5512W, 5519, 5521, 5523, 5541, 5551, 5552, 5561, 5707, 5708, 5801, 5802, 8101, 8102, 8115, 8161, 8205, 8211, 8271, 8283, 8314, 8481, 8551, 8703, 8715, 8725, and 8801. See
http://onestop.umn.edu/Financials/tuitionrates/2004-05techcoll.html for more information on this fee.

1103 Introduction to Computer Programming in Java
001 L, EC, 02:00pm-03:20pm MWF, EE/CSci 3-115; Stewart, Carl
17893 002 LAB, 08:00am-09:55am M, EE/CSci 1-260,

This information is accurate as of: 4/22/2005

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University of Minnesota – Class Schedule for Twin Cities Campus

Fall 2005

3 seats reserved for CLA student; Sturivant, Carl, 4 cr

13883 004 LAB, 10:10am-12:05pm M, EE/CSci 1-260; 5 seats reserved for CLA student; 3 seats reserved for CHE student; Sturivant, Carl, 4 cr

1107 Introduction to FORTRAN Programming for Scientists and Engineers (prereq Math 1271 or Math 1371 or instr consent)

18274 010 L EC, 03:35pm-04:25pm MW, EE/CSci 3-210; Prereq Math 1272 or Math 1372 or instr consent

1113 Introduction to C/C++ Programming for Scientists and Engineers (prereq Math 1271 or Math 1371)

001 L EC, 03:35pm-04:25pm MW, EE/CSci 3-210; Prereq Math 1272 or Math 1372 or instr consent

201 Machine Architecture and Organization (prereq 1902 or instr consent)

500 LEC, 06:30pm-08:00pm Th, Amundt B75; Voyles, Richard Meredith

2031 Introduction to Numerical Computing (Credit will not be granted if credit has been received for: CSCI 5301; prereq Math 2243 or instr consent)

500 LEC, 06:30pm-09:00pm W, EE/CSci 3-115; Meyer, Gary W, 4 cr

4030 Computer Architecture (Credit will not be granted if credit has been received for: EE 4363; prereq 2013 or instr consent; credit will be granted if credit received for: 5201, EE 5361)

22603 010 L EC, 11:15am-12:05pm TTh, EE/CSci 3-230; 60 seats reserved for CSci and CompE majors; 5 seats reserved for non-PSEO, non-admitted student; 15 seats reserved for Info Tech Infrastructure BA; Langanuki, Mark D, 4 cr

4203 Computer Architecture (Credit will not be granted if credit has been received for: EE 4363; prereq 2013 or instr consent; credit will be granted if credit received for: 5201, EE 5361)

4970W Advanced Project Laboratory (Max crs 9; 3 repeats allowed; prereq Upper div CSCI, 4061, instr consent; cannot be taken for grad credit; meets CLE req of Writing Intensive)

51748 007 LEC, 03:00pm-05:00pm TT h, EE/CSci 3-230; 60 seats reserved for CSci and CompE majors; Shekhar, Shashi, 3 cr

52412 001 LAB, 10:10am-11:00am W, EE/CSci 3-230; 60 seats reserved for non-PSEO, non-admitted student; 20 seats reserved for for soph or jrf; Sturivant, Carl, 4 cr

1901 Structure of Computer Programming I (prereq concurrent enrollment Math 1271 or equiv or instr consent)

001 L EC, 10:10am-11:00am MW, EE/CSci 3-230; Dovolis, Chris John

1902 Structure of Computer Programming II (prereq 1901 or instr consent)

001 L EC, 04:00pm-05:15pm MW, EE/CSci 3-230; Terveen, Loren Gilbert

2011 Discrete Structures of Computer Science (prereq Math 1272 or Math 1372 or instr consent)

001 L EC, 03:00pm-04:15pm MW, Phys 170; Kim, Yongdae

003 DIS, 01:25pm-02:15pm F, Room TBA, TCEASTBANK; Kim, Yongdae, 4 cr

2011 Discrete Structures of Computer Science (prereq Math 1272 or Math 1372 or instr consent)

001 L EC, 10:10am-11:00am MW, Phys 170; Kim, Yongdae

003 DIS, 01:25pm-02:15pm F, Room TBA, TCEASTBANK; Kim, Yongdae, 4 cr

003 DIS, 02:30pm-03:20pm F, Room TBA, TCEASTBANK; Kim, Yongdae, 4 cr

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CONSERVATION BIOLOGY
199 McNeal Hall, 1980 Buford Ave, St Paul Campus, St Paul, MN, 55108 612/642-7751, http://www.conbio.umn.edu
College of Biological Sciences
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN, 55455, 612-625-4000, http://www.cce.umn.edu/bas/construction
College of Continuing Education
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN, 55455, 612-625-6000, www.bookstore.umn.edu/
4042 Construction Estimating

4043 Construction Safety and Loss Control

4111 Construction Productivity Management

4193 Directed Study

4196 Construction Management Internship

4201 Construction Accounting

4901 Seminar: Communication and the Construction Process

CONTINUING DENTAL EDUCATION (CDEd)

School of Dentistry

6101 Postgraduate Contemporary Esthetic Dentistry I: Level II-- Lecture/Laboratory Series

6202 Postgraduate Contemporary Esthetic Dentistry: Level II--Patient Series

7303 Postgraduate Contemporary Esthetic Dentistry: Level III--Dental Implants

7306 Postgraduate Contemporary Esthetic Dentistry: Level III--Diagnostic Box

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

Institute of Technology

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu

4444 FTE: Doctoral

NGA; prereq Doctoral student, adviser and DGS consent

9228 001 THE, 1 cr

8660 Doctoral Pre-Thesis Credits

(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)

8888 Thesis Credit: Doctoral

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

19939 001 THE, 1-2 cr

8899 Seminar in Control Science and Dynamical Systems

(max crs 9; 9 repeats allowed; S-N only; max crs 12 cr)

24976 001 SEM, 12:00pm-01:10pm F, Room TBA, TCEASTBANK, 1-3 cr

CULTURAL STUDIES AND COMPARATIVE LITERATURE (CSCl)

350 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455

612/624-8099, http://cscle.cla.umn.edu

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu

1001 Introduction to Cultural Studies: Rhetoric, Power, Desire

(meets CLE req of Cultural Diversity Theme; meets CLE req of Other Humanities Core)

13834 001 LEC, 09:45am-11:00am TH, SciCB 375; Brown Jr, Robert L, 1 cr

1101 Literature

This information is accurate as of: 4/22/2005
5631 Second Language Curriculum Development and Assessment (A-F only; prereq SLC initial licensure only)
14578 001 LEC, 10:00am-11:00am MWF, PeikH 385, 09/19/05-11/25/05; Inquiry Block. Concurrent registration with CI 5531 001 & CI 5821 001 required.; Johnson, Theresa Lea, 2 cr

5632 Communication and Comprehension in Second Language Classrooms (A-F only; prereq SLC initial licensure only)
27117 002 LEC, 10:00am-11:00am MWF, PeikH 365, 09/19/05-11/25/05; Inquiry Block. Concurrent registration with CI 5531 & CI 5821 section 2 required; Johnson, Theresa Lea, 2 cr

5705 Middle School Social Studies Methods (A-F; prereq Elem ed licensure student)
32827 001 LEC, 09:00am-12:00pm MTFWH, PeikH 225, 11/28/05-12/15/05; Elementary education students with middle school social studies specialty only.; Johnson, Theresa Lea, 2 cr

5731 Social Studies for the In-Service Elementary/Middle School Teacher (A-F only; prereq elem/middle school teaching exper or instr consent)
31319 001 LEC, 09:00am-12:00pm MTFWH, PeikH 48, 11/28/05-12/16/05; Elementary education students with middle school social studies specialty only.

5742 Advanced Methods of Teaching the Social Studies (A-F; prereq Secondary social studies students only.; Dudzik, Diana L, 3 cr)
14392 001 LEC, 08:30am-04:45pm T, PeikH 46, 3 cr

5743 The Social Sciences and the Social Studies (A-F; prereq Secondary social studies initial licensure student)
5743 001 LEC, 09:00am-12:30pm Th, NCCE 125, 11/03/05-12/01/05; For Social Studies licensure initial licensure only.

5761 Social Studies Education for the Inservice Intermediate/Middle School Teacher (A-F only; prereq elem/middle school teaching exper or instr consent)
32996 001 LEC, 09:00am-12:00pm Th, PeikH 215, 3 cr

5782 Clinical Experiences in Teaching Social Studies (max crs 7; S-N only; prereq MED/initial licensure student)
17823 001 LEC, 08:30am-04:30pm M, PeikH 215, 3 cr

5821 Teaching Mathematics in the Elementary School (A-F only; prereq Elem ed initial licensure only)
15077 001 LEC, 11:00am-12:30pm MWF, PeikH 385, 09/19/05-11/25/05; Inquiry Block. Concurrent registration with CI 5531 001 & CI 5701 001 required.; Cramer, Kathleen Ann, 2 cr

5900 Special Topics in Family, Youth, and Community (max crs 20; 20 repeats allowed)
22547 001 LEC, 09:00am-06:45pm S, PeikH 215, 10/22/05-12/22/05, 09:00am-04:00pm S, PeikH 215, 11/05/05-11/05/05; Bowman, Ted W, 1 cr
22546 002 LEC, 09:00am-05:00pm S, Room TBA, 2 cr
32814 003 LEC, 2 cr
32815 004 LEC, 2 cr

5902 Family Education Perspectives (A-F only)
13761 001 SEM, 09:00am-03:40pm T, Fall 2008, 3 cr

5908 Family and Work Relationships (A-F)
32816 001 LEC, 09:00am-10:05am Th, Room TBA, TCEASTBANK, 3 cr

5922 Family and Consumer Sciences Curriculum in Grades S-12 (A-F; prereq ILP student; credit will not be granted if credit received for: FE 5302)
13497 001 DBS, 09:00am-11:35am W, PeikH 215, 3 cr

5923 Introduction to Parent Education (A-F)
32818 001 LEC, 09:00am-04:00pm S, PeikH 215, 10/19/05-10/19/05, 09:00am-05:00pm S, PeikH 215, 10/24/05-10/24/05, 1 cr

5937 Parent-Child Field Experience (A-F; credit will not be granted if credit received for: FE 5712)
23732 001 LEC, 04:40pm-07:20pm M, PeikH 335, 3 cr

5952 Everyday Lives of Youth (A-F; prereq YDL student or instr consent; credit will not be granted if credit received for: WCFE 5413)
32819 001 DRS, 05:30pm-08:30pm Th, Room TBA, STPAUL, 3 cr

5956 Organizational Approaches to Youth Development (A-F; prereq YDL MA student or instr consent; credit will not be granted if credit received for: WCFE 5413)
32820 001 DRS, 05:30pm-08:30pm Th, Room TBA, STPAUL, 3 cr

5960 Seminar in Youth Development Leadership (max crs 4; 4 repeats allowed; S-N only; prereq YDL student or instr consent; credit will not be granted if credit received for: WCFE 5413)
32821 001 SEM, 1-4 cr

5962 Leadership Field Experience: Youth Development (S-N; prereq YDL student or instr consent)
32822 001 IEX, 4 cr

5993 Directed Study in Family, Youth, and Community (max crs 9; 9 repeats allowed; A-F; prereq dept consent; credit will not be granted if credit received for: FE 5993)
19874 8095 Problems: Art Education (max crs 12; prereq Grad art educ major or instr consent)
17042 8131 Curriculum and Instruction Core: Critical Examination of Curriculum in Context (A-F; prereq CI PhD or MA student or instr consent)
28380 001 LEC, 04:40pm-07:20pm M, PeikH 25; Ngo, Bic, 3 cr

8132 Curriculum and Instruction Core: Teaching Theory and Research (A-F; prereq CI PhD or MA student or instr consent)
21407 001 LEC, 04:40pm-07:20pm T, PeikH 25, 3 cr

8133 Research Methods in Curriculum and Instruction (A-F; prereq CI PhD or MA student or instr consent)
21873 001 LEC, 04:40pm-07:20pm W, PeikH 25; Mc Cland, Jerry Hammond, 3 cr
DANCE (Dnce)

Barbara Barker Center for Dance, 500-21st Ave So, West Bank Campus, Minneapolis, MN, 55455
612/624-5060, http://cla.umn.edu/theatre
College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

Fees for masters are assessed at the time of registration for some Dance courses.

1001 Modern Dance Technique 1 15352 001 STU, 10:00am-11:00am M-Th, BarkerCtr 100; Costello, Michele Mary, 1 cr
15353 002 STU, 08:00am-09:30am MW, BarkerCtr 200; James, Mark, 1 cr
1010 Modern Dance Technique 3 15389 001 STU, 12:00pm-1:00pm M-Th, BarkerCtr 200; James, Mark, 3 cr
15390 002 STU, 12:00pm-1:00pm M-Th, BarkerCtr 300, Mann, Paula, 2 cr
1101 Ballet Technique 1 15516 001 STU, 10:00am-11:00am MW, BarkerCtr 200; Anderson, Kristina Forsberg, 1 cr
1110 Ballet Technique 3 15217 001 STU, 08:00am-09:30am MW, BarkerCtr 100; Anderson, Kristina Forsberg, 1 cr
1201 Jazz Technique 1 15748 001 STU, 10:00am-11:00am M-Th, BarkerCtr 300, 1 cr
1210 Jazz Technique 3 15758 001 STU, 08:00am-09:30am M-Th, BarkerCtr 200; Grotting, Karla Kaye, 1 cr
1301 Tap Technique 1 15153 001 STU, 04:15pm-05:15pm TTh, PeopleCtr 100, 1 cr
1302 Tap Technique 2 15154 002 STU, 04:15pm-05:15pm TTh, PeopleCtr 200, 1 cr
1313 African Based Movement 22729 001 STU, 06:15pm-07:45pm MW, BarkerCtr 200; Brown, Patricia, 1 cr
1315 Flamenco 22722 001 STU, 06:00pm-07:30pm MW, PeopleCtr 425, 1 cr
1321 Ballroom 1 21499 001 STU, 10:00am-11:00am MW, Room TBA, TCESWEBANK, men only; 425 20th Ave So, Minneapolis; Meets with: 21500 DNCE 1321; Lieckie, Joy Davina, 1 cr
21500 004 STU, 10:00am-11:00am MW, Room TBA, TCESWEBANK, men only; 425 20th Ave So, Minneapolis; Meets with: 21499 DNCE 1321; Lieckie, Joy Davina, 1 cr
21501 005 STU, 11:15am-12:05pm MW, Room TBA, TCESWEBANK, men only; 425 20th Ave So, Minneapolis; Meets with: 21500 DNCE 1321; Lieckie, Joy Davina, 1 cr
21502 006 STU, 11:15am-12:05pm MW, Room TBA, TCESWEBANK, men only; 425 20th Ave So, Minneapolis; Meets with: 21500 DNCE 1321; Lieckie, Joy Davina, 1 cr
1323 Swing Dance 22722 001 STU, 07:00pm-08:30pm W, Room TBA, TCESWEBANK, men only; 425 20th Ave So, Minneapolis; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 22724 DNCE 1323, 1 cr
22724 002 STU, 07:00pm-08:30pm W, Room TBA, TCESWEBANK, men only; 425 20th Ave So, Minneapolis; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 22724 DNCE 1323

This information is accurate as of: 4/22/2005
DENTAL HYGIENE (DH)  
9-406 Malcolm Moos Health Sciences Tower, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455  
612/625-9211,  
http://www.dentistry.umn.edu  
School of Dentistry  

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455,  
612/625-6900, www.bookstore.umn.edu/  

15801 001 REH, 03:45pm-06:15pm MTWThF,  
Dance Composition 100; plus additl times ar; Pierce, Tony L, 1 cr  
5858 Teaching Dance  
31404 001 LAB, 08:25am-09:55am MWF, People Ctr Gym; Maddux, Marje, 4 cr  
9790 Directed Studies  
(max crs 10; 10 repeats allowed; prereq instr consent, dept consent, college consent)  
2108 001 IND, Maddux, Marje; Smith, Joan Anne; Flink, Carl Lindsay, 1-4 cr  

DANISH (Dan)  
205 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455  
612/625-2080,  
http://www.folwell.umn.edu/gsd/  
College of Liberal Arts  

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455,  
612/625-6900, www.bookstore.umn.edu/  

1001 Beginning Danish  
(Credit will not be granted if credit has been received for: DAN 4001)  
15464 001 DIS, 04:00pm-06:00pm MTWThF, 1701 Univ 208; 5 seats reserved for non-PSEO, non-admitted student; Meets with: 17532 DAN 4001; Holm, Carsten, 5 cr  
1003 Intermediate Danish  
(Credit will not be granted if credit has been received for: DAN 4003; prereq 1002)  
54665 001 DIS, 06:30pm-08:40pm TTh, 1701 Univ 208; 5 seats reserved for non-PSEO, non-admitted student; Meets with: 17665 DAN 4003; Holm, Carsten, 5 cr  
4001 Beginning Dental Hygiene  
(Credit will not be granted if credit has been received for: DAN 1001; prereq 1004 in another language or passing score on LPE or grad student)  
17532 001 DIS, 04:00pm-06:00pm MTWThF, 1701 Univ 208; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 15464 DAN 1001; Holm, Carsten, 2 cr  
4003 Intermediate Dental Hygiene  
(Credit will not be granted if credit has been received for: DAN 1003; prereq 1004 in another language or passing score on LPE or grad student)  
17665 001 DIS, 06:30pm-08:40pm TTh, 1701 Univ 208; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 15465 DAN 1003; Holm, Carsten, 2 cr  

DENTAL HYGIENE (DH)  
Fall 2005  
2121 The Dental Hygiene Care Process  
Clinical Application I  
(A-F only; prereq DH student)  
001 L  
EC, 08:00am-08:50am TTh, WDH 2110; Osborn, Joy H  
17044 002 CLN, 10:15am-12:00pm TTh, Room TBA,  
TCEASTBANK; 01:15pm-04:15pm TTh, Room TBA; Danielis, Andy; Osborn, Joy B; Epworth, Howel, 5 cr  
2132 Head and Neck Anatomy  
(A-F only; prereq DH student)  
16952 001 LEC, 10:10am-12:00pm W, MoorT 8-348;  
Blue, Christine M, 1 cr  
2191 Independent Study  
(max crs 6; 6 repeats allowed; prereq DH student)  
21749 001 IND, 0-6 cr  
3111 Principles of Restorative Techniques I  
(A-F only; prereq DH student)  
16996 002 CLN, 10:00am-12:00pm F, WDH 2110;  
Ditmar, Susan Kyle; Ditmar, Susan Kyle; Ahmann, Lisa Webb; Huntington, Nina Anna; Jacobsen, Steven Robert, 5 cr  
16997 003 LAB, 09:00am-12:00pm M, WDH 2110;  
Ditmar, Susan Kyle; Jacobsen, Steven Robert; Ahmann, Lisa Webb; Huntington, Nina Anna, 5 cr  
3123 The Dental Hygiene Care Process  
Clinical Application III  
(max crs 4; A-F only; prereq DH student)  
001 L  
EC, 08:15am-09:50am M, WDH 2110;  
Stoneberg, Jill Louise  
17046 002 CLN, 09:30am-12:15pm MWF, WDH 2110;  
01:15pm-04:15pm WTH, Room TBA; (clinical hrs TBA), 1-4 cr  
3126 Oral and Maxillofacial Radiology  
Clinical I  
(A-F only; prereq DH student)  
16971 001 CLN, (clinical hrs TBA); Kubo, Kamesh K;  
Rhoden, Tanya; Carmen, 5 cr  
3131 Periodontology I Lecture  
(Credit will not be granted if credit has been received for: DENT 5611; A-F only; prereq DH student)  
17064 001 LEC, 08:00am-08:50am TTh, Room TBA,  
TCEASTBANK, 08:00am-10:10am M, Room TBA,  
TCEASTBANK, 11/21/05-11/21/05; Meets with: 16410 DENT 5611; Bakdash, Bashar, 1 cr  
3132 Applied Nutrition in Dental Hygiene  
Care  
(A-F only; prereq DH student)  
16993 001 LEC, 03:15pm-04:05pm M, WDH 2120;  
Crowley, Lana R, 1 cr  
3133 Pharmacology  
(A-F only; prereq DH student)  
19396 001 LEC, 12:30pm-01:20pm M, MoorT 8-348,  
01:00pm-01:50pm F, MoorT 8-348; Jacobsen, Steven Robert, 2 cr  
3135 Oral and Maxillofacial Radiology:  
Theory, Principles, and Radiographic Analysis  
(A-F only; prereq DH student)  
17357 001 LEC, 09:15am-11:00am T, MoorT 8-348;  
Kubo, Ramesh K, 2 cr  
4125W The Dental Hygiene Care Process  
Clinical Application V  
(max crs 6; A-F only; prereq DH student; meets CLE req of Writing Intensive)  
17052 001 LEC, 08:00am-08:50am M, MoorT 8-348;  
(Teaching Dental Hygiene); Katie, Robert, 1 cr  
4128 Oral and Maxillofacial Radiology  
Clinical III  
(A-F only; prereq DH student)  
17068 001 CLN, (clinical hrs TBA); Kuba, Ramesh K;  
Ahmann, Mansur; Franks, Mica Jeanne; Eid DDS, Norman Vernon; Gavino, Michael Angelo;  
Madden, Richard P; Mills, Eric Andrew; 0 cr  
4131 Epidemiology, Prevention, Dental Public Health, and Community  

This information is accurate as of: 4/22/2005
DERMATOLOGY (Derm) 4-240 Phillips Wangenstein (Box 98 UMHC), 516 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-8625, http://www.dermatology.umn.edu

Medical School

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu

DENTISTRY

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University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005

This information is accurate as of: 4/22/2005
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<th>Location</th>
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<td>5383</td>
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<td>51</td>
<td>University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005</td>
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</table>
http://www.folwell.umn.edu/gsd/  
College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN, 612/625-6000, www.bookstore.umn.edu/

17774 001 LEC, 11:45am-01:45pm Th, BlegH 245; 24648 002 DIS, 11:15am-12:05pm T, BlegH 110; Meets with: 13793 HIST 3461, 4 cr
17775 003 LEC, 11:15am-12:05pm Th, BlegH 205; Meets with: 13793 HIST 3461, 4 cr
24649 004 DIS, 03:35pm-04:25pm M, BlegH 240; Meets with: 13793 HIST 3461, 4 cr

3462 Introduction to East Asia II: 1600-2000  
(Credit will not be granted if credit has been received for: HIST 3462; meets CLE req of Historical Perspective Course; meets CLE req of International Perspective Theme)

33386 001 DIS, 06:20pm-08:00pm W, Room TBA, TCWESTBANK; Meets with: 33306 HIST 3462, 3-4 cr

3471 Modern Japan, Meiji to the Present  
(1868-2000)  
(Credit will not be granted if credit has been received for: HIST 3471; meets CLE req of Historical Perspective Course; meets CLE req of International Perspective Theme)

612/625-6000, www.bookstore.umn.edu/  
College of Biological Sciences

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN, 612/625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN, 612/624-9200, www.bookstore.umn.edu/
(prereq 3407, Biol 3007; meets CLE req of Writing Intensive))

001 L
EC, 12:50pm-01:40pm MW, Room TBA,
STPAUL; Field trips: 9/25-26/04, 10/2-3/04,
10/9-10/04, one required; Cushing, Edward J;
Sugita, Shinuya

002 D
IS, 12:50pm-06:00pm F, BioSci 163, STPAUL,
09/06-05/14/05, 12:50pm-04:55pm F;
Ecology 170, STPAUL, 10/17-05/12-14/05;
Field Trips: 10/1-2/05, 10/8-9/05, one required;
Sugita, Shinuya; Cushing, Edward J

32863
003 LAB, 3 cr

4129 Mammmalogy
(Credit will not be granted if credit has been received for:
FW 4129; A-F only; prereq Biol 1001 or Biol 2012)

001 L
EC, 10:15am-11:30am TTH, Hodson H 495,
STPAUL; Janus, Sharon A, 4 cr

21745
002 LAB, 01:00pm-04:00pm T, Ecology 160,
STPAUL; Janus, Sharon A, 4 cr

21746
003 LAB, 09:30am-12:30pm W, Ecology 160,
STPAUL; Janus, Sharon A, 4 cr

28902
004 LAB, 01:00pm-04:00pm Th, Ecology 160,
STPAUL; Janus, Sharon A, 4 cr

4601 Limnology
(A-F only; prereq Chem 1022)

14575
001 LEC, 09:00am-09:20am MWF, Cla/Off B25,
STPAUL; Stumer, Robert Warner, 3 cr

4609W Ecosystem Ecology
(prereq Biol 3407; meets CLE req of Writing Intensive)

31322
001 LEC, 09:35am-10:20am MW, Cla/Off 143;
Hobbie, Sarah E, 3 cr

31323
002 DIS, 09:35am-10:25am F, Ecology 150;
For undergraduates only; Hobbie, Sarah E, 3 cr

4793W Directed Studies: Writing Intensive
(max crs 7; 7 repeats allowed; S-N only;
prereq instr consent, dept consent; meets
cLE req of Writing Intensive)

20764
001 DST, 1-7 cr

23544
002 DST, 1-7 cr

23545
003 DST, 1-7 cr

23546
004 DST, 1-7 cr

23547
005 DST, 1-7 cr

23548
006 DST, 1-7 cr

23549
007 DST, 1-7 cr

23550
008 DST, 1-7 cr

23551
009 DST, 1-7 cr

23552
010 DST, 1-7 cr

4794W Directed Research: Writing Intensive
(max crs 7; 7 repeats allowed; S-N only;
prereq instr consent, dept consent; meets
cLE req of Writing Intensive)

20765
001 DRS, 1-7 cr

23533
002 DRS, 1-7 cr

23534
003 DRS, 1-7 cr

23535
004 DRS, 1-7 cr

23536
005 DRS, 1-7 cr

23537
006 DRS, 1-7 cr

23538
007 DRS, 1-7 cr

23539
008 DRS, 1-7 cr

23540
009 DRS, 1-7 cr

23541
010 DRS, 1-7 cr

4993 Directed Studies
(max crs 7; 7 repeats allowed; S-N only;
prereq instr consent, dept consent)

18846
001 DST, 1-7 cr

25362
002 DST, 1-7 cr

25363
003 DST, 1-7 cr

25364
004 DST, 1-7 cr

25365
005 DST, 1-7 cr

25366
006 DST, 1-7 cr

25367
007 DST, 1-7 cr

25368
008 DST, 1-7 cr

25369
009 DST, 1-7 cr

25370
010 DST, 1-7 cr

4994 Directed Research
(max crs 7; 7 repeats allowed; S-N only;
prereq instr consent, dept consent)

18847
001 DRS, 1-7 cr

25374
002 DRS, 1-7 cr

25375
003 DRS, 1-7 cr

25376
004 DRS, 1-7 cr

25377
005 DRS, 1-7 cr

25378
006 DRS, 1-7 cr

25379
007 DRS, 1-7 cr

25380
008 DRS, 1-7 cr

25381
009 DRS, 1-7 cr

25382
010 DRS, 1-7 cr

5033 Population and Quantitative Genetics
(prereq [Biol 4003 or GCD 3022], intro
statistics] or instr consent)

001 L
EC, 08:00am-09:00am TTh, BioSci 70,
STPAUL; Shaw, Ruth Geyer

26260
002 DIS, 10:15am-11:05am T, Room TBA,
26261
003 DIS, 10:00am-11:00am W, Room TBA,
26262
004 DIS, 10:00am-11:00am M, Room TBA

5122W Plant Interactions with Animals and
Microbes (A-F only; prereq Biol 2012 or 3002, 3407 or
3409; meets CLE req of Writing Intensive)

19853
001 LEC, 10:15am-11:10am MTH, Ecology 150,
STPAUL; Tiffin, Peter L; Kinkel, Linda Lee, 3 cr

5321 Evolution of Social Behavior
(A-F only; prereq Biol 1001 or instr consent)

31041
001 LEC, 09:30am-11:10am MW, Hodson H 490;
Pusey, Anne Elizabeth, 3 cr

31042
002 DIS, 09:00am-09:45am M, Hodson H 490;
Pusey, Anne Elizabeth, 3 cr

31043
003 DIS, 09:15pm-02:45pm W, Hodson H 490;
Pusey, Anne Elizabeth, 3 cr

5609 Ecosystem Ecology
(prereq Biol 3407 or Biol 3407)

31124
001 LEC, 09:30am-11:05am MW, BioSci 12;
24 cr required

31126
002 DIS, 09:35am-10:25am Th, Ecology 505;
Hobbie, Sarah E, 3 cr

5961 Decision Analysis and Modeling in
Conservation Biology (A-F only; prereq Grad student or
instr consent)

26435
001 LEC, 11:15am-12:30pm Th, Field Hist 365,
STPAUL; Meets with: 31103 EEB 3963;
Neuhaus, Holmstrom, Anne-Marie C, 3 cr

3833 FTE: Master's
(NGA; prereq Master's student, adviser and
DGS consent)

20054
001 THE, 1 cr

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

20254
001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits
(max crs 60; 4 repeats allowed; NGA; prereq
Max 18 cr per semester or summer; doctoral
student who has not passed prelim oral)

20403
001 THE, 1 cr

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

20505
001 THE, 1-18 cr

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

19600
001 THE, 1-24 cr

8990 Seminar on Current Topics
(max crs 6; 4 repeats allowed; S-N only;
prereq [1st yr or 3rd sem] grad student, instr consent)

21143
001 SEM, Journal Club-1st yr students;
Neuhaus, Claudia, 1-3 cr

21230
002 SEM, Journal Club-2nd yr students;
Neuhaus, Claudia, 1-3 cr

21961
003 SEM, Introduction to Ecology-1st yr
students; Neuhaus, Claudia, 1-3 cr

22511
004 SEM, 1-3 cr

23710
005 SEM, 1-3 cr

8990 Graduate Seminar
(max crs 5; 5 repeats allowed; S-N only;
prereq instr consent)

16521
001 SEM, 04:00am-05:00pm W, BioSci 70,
STPAUL; Dept. Seminar; Caverden-Bares, Jeanine Marie, 1 cr

94603
002 SEM, Title: Evolutionary Genetics;
Curtisinger, James W, 1 cr

21123
003 SEM, 1 cr
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<tr>
<td>1102 L</td>
<td>Honors Principles of Microeconomics</td>
<td>Craig E Craig</td>
<td>12:20pm-01:10pm MWF, BlegH 140</td>
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<td>1102 L</td>
<td>Principles of Macroeconomics</td>
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<td>02:30pm-03:20pm M, BlegH 260</td>
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<td>15034</td>
<td>Intermediate Microeconomics</td>
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<td>02:30pm-03:20pm W, BlegH 215, 4 cr</td>
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<td>3101 L</td>
<td>Intermediate Microeconomics</td>
<td></td>
<td>08:15am-09:30am TTh, WilleyH 125; Swan, Jiannong, 3 cr</td>
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<tr>
<td>3701 L</td>
<td>Money and Banking</td>
<td></td>
<td>02:30pm-03:20pm M, BlegH 215, 4 cr</td>
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This information is accurate as of: 4/22/2005
not be granted if credit has been received for:
ECON 3801, prereq 3101, 3102 or equiv)
15057 001 LEC, 12:00pm-12:50pm MW, Bligh 245, 3 cr

4831 Cost-Benefit Analysis
(Credit will not be granted if credit has been received for:
ECON 4611H; prereq 3101 or equiv)
15697 001 LEC, 10:00am-12:00pm MW, BlegH 145, 09/06/05-10/24/05, 2 cr

8117 Noncooperative Game Theory
(prereq Math 5616 or equiv or instr consent)
15697 001 LEC, 10:00am-12:00pm MW, BlegH 145, 09/06/05-10/24/05, 2 cr

8118 Noncooperative Game Theory
(prereq 8117)
15698 001 LEC, 10:00am-12:00pm MW, BlegH 335, 10/25/05-12/14/05, 2 cr

8181 Advanced Topics in Microeconomics
(max crs 4; prereq 8104 or instr consent)
15702 001 LEC, 12:20pm-02:15pm MW, BlegH 220, 10/25/05-12/14/05, 2 cr

8205 Applied Econometrics
(prereq Math 5616 or equiv or instr consent)
15705 001 LEC, 12:20pm-02:15pm MW, BlegH 330, 10/25/05-12/14/05, 2 cr

8211 Econometrics
(prereq 5151, 5126, Math 4242 or equiv, Stat 5102 or instr consent)
15694 001 DIS, 06/09/05-10/24/05, 2 cr

8311 Economic Growth and Development
(prereq 8104, 8106 or instr consent)
15689 001 LEC, 12:45pm-02:00pm F, BlegH 255, 10/25/05-12/14/05, 2 cr

8312 Economic Growth and Development
(prereq 8311 or instr consent)
15700 001 LEC, 05:00pm-07:00pm MW, BlegH 210, 10/25/05-12/14/05, 2 cr

8333 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)
20030 001 THE, 1 cr

8391 Workshop in Economic Growth and Development
(max crs 10; 10 repeats allowed; prereq instr consent)
23747 001 WKS, 05:00pm-07:00pm W, BlegH 430, 10/25/05-12/14/05, 2 cr

8401 International Trade and Payments Theory
(prereq 8103, 8105 or instr consent)
15701 001 LEC, 12:00pm-02:15pm MW, BlegH 255, 10/25/05-12/14/05, 2 cr

8402 International Trade and Payments Theory
(prereq 8401 or instr consent)
15702 001 LEC, 12:00pm-02:15pm MW, BlegH 255, 10/25/05-12/14/05, 2 cr

8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGs consent)
20250 001 THE, 1 cr

8481 Advanced Topics in International Trade
(max crs 4; prereq 8403 or instr consent)
29182 002 SEM, 01:30pm-03:30pm MW, BlegH 135, 09/06/05-10/24/05, 2 cr

4888 Thesis Credit: Doctoral
(max crs 10; 10 repeats allowed; prereq; Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
19595 001 THE, 1-2 cr

8501 Wages and Employment
(prereq 8102, 8106 or instr consent)
24354 001 LEC, 02:30pm-04:30pm Th, BlegH 1275, 09/06/05-10/24/05, 2 cr

8502 Wages and Employment
(prereq 8501 or instr consent)
21155 001 LEC, 12:20pm-02:15pm MW, BlegH 255, 09/06/05-10/24/05, 2 cr

8601 Industrial Organization and Government Regulation
(prereq 8102 or instr consent)
15703 001 LEC, 10:10am-12:55pm MW, BlegH 155, 10/25/05-12/14/05, 2 cr

8666 Doctoral Pre-Thesis Credits
(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
20998 001 THE, 1-18 cr

8691 Workshop in Applied Microeconomics
(max crs 10; 10 repeats allowed; prereq instr consent)
16022 001 WKS, 04:30pm-06:30pm T, BlegH 255, 03/30/05-05/05/05, 2 cr

8701 Monetary Economics
(prereq 8103, 8106 or instr consent)
15705 001 LEC, 12:20pm-02:15pm MW, BlegH 330, 10/25/05-12/14/05, 2 cr

8702 Monetary Economics
(prereq 8701 or instr consent)
15706 001 LEC, 12:20pm-02:15pm MW, BlegH 330, 10/25/05-12/14/05, 2 cr

8704 Financial Economics
(prereq 8103, 8106 or instr consent)
15707 001 LEC, 02:30pm-04:30pm M, BlegH 155, 09/06/05-10/24/05, 2 cr

8705 Financial Economics
(prereq 8704 or instr consent)
21433 001 LEC, 03:15pm-05:15pm M, BlegH 105, 10/25/05-12/14/05, 2 cr

8777 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
20982 001 THE, 1-18 cr

8791 Workshop in Macroeconomics
(max crs 10; 10 repeats allowed; prereq instr consent)
16025 001 WKS, 04:30pm-06:30pm T, BlegH 260, 10/25/05-12/14/05, 2 cr

8801 Public Economics
(prereq 8103, 8106 or instr consent)
15708 001 LEC, 10:10am-12:55pm Th, BlegH 335, 10/25/05-12/14/05, 2 cr

8802 Public Economics
(prereq 8801 or instr consent)
24356 001 LEC, 08:30am-10:00am W, BlegH 255, 10/25/05-12/14/05, 10:00am-11:40am F, BlegH 110, 10/25/05-12/14/05, 2 cr

8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
19595 001 THE, 1 cr

8990 Individual Graduate Research
(max crs 7; prereq instr consent)
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-626-6000, www.bookstore.umn.edu. For those enrolled in the administrative licensure program of EdPA, please visit the program's website at http://www.education.umn.edu/edpa/licensure/courseinfo for specific sections offered this semester.

1301W Personal Leadership in the University (Credit will not be granted if credit has been received for: PA 3961W, 3971W; meets CLE req of Writing Intensive)

1302W Leadership, You, and Your Community (Credit will not be granted if credit has been received for: PA 3961W; A-F only; prereq [3302W or PA 3971W], completed field experience, undergrad leadership minor; meets CLE req of Writing Intensive)

30978 001 LEC, 12:45pm-02:00pm TTh, PeikH 315; Meets with: 17985 PA 3961W; Crosby, TCEASTBANK; 1 seat reserved for non-PSEO, non-admitted student.; Meets with: 18100 PA 1961W; McLeod, Scott, 1 cr

29942 30979 002 LEC, 04:40pm-07:20pm W, BuH 123; Fraud, 1 cr

5087 Seminar: Educational Policy and Administration (max crs 24, 24 repeats allowed)

14338 5095 Problems: Educational Policy and Administration (max crs 24, 24 repeats allowed)

13701 001 DST, 1-1 cr

5096 Internship: Educational Policy and Administration (max crs 24, 24 repeats allowed)

13700 5101 International Education and Development

13071 001 LEC, 04:40pm-07:35pm Th, Room TBA; TCEASTBANK; 1 seat reserved for non-PSEO, non-admitted student; Fry, Gerald Walton, 3 cr

306 Staff Development Technology and Support

300 LEC, 04:40pm-07:35pm Th, PA 1961W; TCEASTBANK; 1 seat reserved for non-PSEO, non-admitted student; Fry, Gerald Walton, 3 cr

3502 Educational Policy: Context, Inquiry, and Issues

18929 001 LEC, 04:40pm-07:35pm Th, PA 1961W; 1 seat reserved for non-PSEO, non-admitted student; Alexander, Nicola, 3 cr

29466 001 LEC, 09:00am-03:20pm S, PeikH 375; McLeod, Scott, 1 cr

5312 School Technology Policy Issues (prereq [[Mac or PC] with 256 MB RAM, [Windows NT 2000 or XP or Mac OS 9 or 10], [Pentium [2 or faster], internet connection, [Netscape or Internet Explorer], virus protection software, School Technology Leadership] or instr consent)

13010 001 LEC, 04:40pm-07:35pm Th, Room TBA; TCEASTBANK; 1 seat reserved for non-PSEO, non-admitted student; Alexander, Nicola, 3 cr

22871 001 LEC, 04:40pm-07:35pm Th, Room TBA; TCEASTBANK; 1 seat reserved for non-PSEO, non-admitted student; Alexander, Nicola, 3 cr

29467 001 LEC, instruction mode: Distance Education and On-Site; online distance ed.; McLeod, Scott, 1 cr

531 School Technology Policy Issues (prereq [[Mac or PC] with 256 MB RAM, [Windows NT 2000 or XP or Mac OS 9 or 10], [Pentium [2 or faster], internet connection, [Netscape or Internet Explorer], virus protection software, School Technology Leadership] or instr consent)

13011 001 LEC, 04:40pm-07:35pm Th, PA 1961W; TCEASTBANK; 1 seat reserved for non-PSEO, non-admitted student; Alexander, Nicola, 3 cr

3032W Leadership, You, and Your Community (Credit will not be granted if credit has been received for: PA 3961W; A-F only; prereq [3302W or PA 3971W], completed field experience, undergrad leadership minor; meets CLE req of Writing Intensive)

13017 001 LEC, 04:40pm-07:35pm Th, Room TBA; TCEASTBANK; 1 seat reserved for non-PSEO, non-admitted student; Fry, Gerald Walton, 3 cr

4303W Leadership in the World (Credit will not be granted if credit has been received for: PA 3961W; A-F only; prereq [3302W or PA 3971W], completed field experience, undergrad leadership minor; meets CLE req of Writing Intensive)

17422 001 DRS, 1-7 cr

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

8223 002 THE; Work, Community, and Family Education, 1 cr

8093 003 THE; Recreation, Park, and Leisure Studies, 1-24 cr

8666 002 THE; Work, Community, and Family Education, 1-24 cr

8503 001 THE; Work, Community, and Family Education, 1-24 cr

8888 001 THE; Work, Community, and Family Education, 1-24 cr

EDUCATIONAL POLICY AND ADMINISTRATION (EdPA)

330 Wulling Hall, 86 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455

612-624-1006, http://www.education.umn.edu/edpa

This information is accurate as of: 4/22/2005
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<td>3264</td>
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<td>20231</td>
<td>Practicum: Service Learning</td>
<td>Jean A., 1-6 cr</td>
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<td>Language: Psycholinguistic Research and Education</td>
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<td>5151</td>
<td>Psychology of Adult Learning and Instruction</td>
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8406 Professional Ethics for Counselors and Psychologists (A-F)
31308 001 LEC, 03:35pm-06:20pm M, ChDev 105; Turner, Sherri L, 3 cr
8411 Advanced Counseling Research (A-F only; prereq Ed psy PhD student with CSPP subgroup or instr consent)
13091 001 SEM, 10:15am-12:05pm WF, BuH 129; Hummel, Thomas J, 3 cr
8436 Crisis Management and Consulting in School Counseling (A-F only; prereq CSPP grad student in school counselor program or instr consent)
23564 001 LEC, 04:40pm-07:20pm T, BuH 125; Wahl, Kay Herting, 3 cr
8444 FTE: Doctoral (NGA)
8612 001 SEM, 01:25pm-04:05pm M, BuH 129; Veach, Patricia Mc, 3 cr
8452 Psychological Aspects of Counseling Supervision (prereq Ed psy PhD student with CSPP subgroup or instr consent)
13092 001 SEM, 09:05am-11:45am T, BuH 239; Veach, Patricia Mc, 3 cr
8501 Counseling Pre-Practicum (A-F only; prereq [CSPG or genetic counseling] grad student)
13093 001 DS, 08:00am-11:00am M, BuH 120; Veach, Patricia Mc, 3 cr
8503 Counseling Practicum I (max crs 4; A-F only; prereq 8502 or instr consent)
13100 001 LEC, 08:00am-10:00am Th, BuH 239; Skovholt, Thomas M, 1 cr
21040 002 LEC, 03:35pm-06:35pm W, BuH 240; Wahl, Kay Herting, 1 cr
8509 Supervision Practicum: CSPP (prereq [Ed psy student with CSPP subgroup] or instr consent)
13662 001 LEC, 10:15am-12:05pm Th, BuH 239; Skovholt, Thomas M, 2 cr
8512 Internship: CSPPP (max crs 12; 12 repeats allowed; A-F only; prereq Ed psy MA or PhD student with CSPP subgroup)
13101 001 IEC, Instructor will arrange individual meetings with intern.; Veach, Patricia Mc, 1-6 cr
13102 002 IEC, Instructor will arrange individual meetings with intern.; Veach, Patricia Mc, 1-6 cr
8513 University Counseling Practicum I (Credit will not be granted if credit has been received for: PSY 8514; S-N only; prereq Ed psy MA or PhD student with CSPP subgroup, instr consent)
13094 001 LEC, 09:05am-11:00am Th, EddyH 202; Shih, Jerome Stuart, 4-6 cr
8521 Practicum in Student Affairs and Student Development (max crs 8; 8 repeats allowed; A-F only; prereq Ed psy MA or PhD student with CSPP subgroup or instr consent)
13103 001 IEC, Instructor will set up individual meetings with practicum students.; Goh, Michael Pik-Bien, 1 cr
8522 Counseling Practicum: Advanced (max crs 9; 3 repeats allowed; prereq [Grad ed psy major with CSPP subgroup] or instr consent)
13663 001 SEM, 12:20pm-02:15pm T, BuH 329; Goh, Michael Pik-Bien, 3 cr
8600 Special Topics: Special Education Issues (max crs 9; 9 repeats allowed)
26352 001 SEM, 09:30am-12:15pm F, Ethl N647; Deno, Stanley L, 1-3 cr
29583 002 SEM, 06:30pm-09:30pm T, BuH 120, 1-3 cr
8612 Seminar: Students with Academic Difficulties (A-F only)
32641 001 SEM, 01:25pm-04:05pm T, Ethl N647; Espin, Christine, 3 cr
8666 Doctoral Pre-Thesis Credits (max crs 20; 20 repeats allowed; A-F only; prereq instr consent)
14605 001 LEC; Special Education, 1-10 cr
14606 002 LEC; Counseling and Student Personnel Psychology, 1-10 cr
14607 003 LEC; School Psychology, 1-10 cr
14608 004 LEC; Psychological Foundations, 1-10 cr
22443 007 LEC, 1-10 cr
23817 012 LEC, "Counseling and Student Personnel", 1-10 cr
8994 Research Problems: Educational Psychology (max crs 18; 18 repeats allowed; A-F only; prereq instr consent)
14601 001 DR5; Special Education, 1-6 cr
14602 002 DR5; Counseling Psychology, 1-6 cr
14603 003 DR5; School Psychology, 1-6 cr
14604 004 DR5; Psychological Foundations, 1-6 cr

EDUCATION AND HUMAN DEVELOPMENT (EdHD)
110 Wulling Hall, 86 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6501, http://www.education.umn.edu/SPS
College of Education & Human Development

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

1905 Freshman Seminar (max crs 6; prereq freshman)
33213 001 SEM, 11:35am-12:15pm M, PeikH 325; Batt, William M, 3 cr; OPN; Chess, Critical Thinking, & Visual Thinking
3001 Exploring the Teaching Profession (max crs 4; 4 repeats allowed; S-N only; prereq Early admit for lic/MEd program, college consent)
13044 001 SEM; Sept 14 and 28, Oct 19, Nov 9 and 30, Dec 14, 1 cr
3301 Supporting Persons With Developmental and Related Disabilities in Community Human Services (max crs 4; 4 repeats allowed; S-N only; prereq ENG 110)
33207 001 LEC, 09/15/05-05/16/06, 4 cr
33206 002 LEC, 10/15/05-05/16/06, 4 cr
33205 003 LEC, 11/15/05-05/16/06, 4 cr
33204 004 LEC, 12/15/05-05/16/06, 4 cr
4301 Personnel Supervisor and Management in Community Human Services (max crs 20; 20 repeats allowed; S-N only; prereq ENG 110)
33208 001 LEC, 09/15/05-05/16/06, 4 cr
33209 002 LEC, 10/15/05-05/16/06, 4 cr
33210 003 LEC, 11/15/05-05/16/06, 4 cr
33211 004 LEC, 12/15/05-05/16/06, 4 cr
5001 Learning, Cognition, and Assessment (Credit will not be granted if credit has been received for: EPSY 3119; prereq MEd/initial licensure student or CLA music ed or preteaching major or instr consent; psych course recommended)
1001 L EC, 02:30pm-03:45pm T, FraserH 101; Meets with: 13096 EPSY 3119; Saunders, Jay
18588 002 LAB, 02:30pm-03:45pm Th, Room TBA, TCEASTBANK, 3 cr
18589 003 LAB, 02:30pm-03:45pm Th, Room TBA, TCEASTBANK, 3 cr
18590 004 LAB, 02:30pm-03:45pm Th, Room TBA, TCEASTBANK, 3 cr
18591 005 LAB, 02:30pm-03:45pm Th, PeikH 375, 3 cr
5003 Development and Individual Differences in Educational Contexts
ELECTRICAL AND COMPUTER ENGINEERING (EE)

1-178 EE/Sci Building, 200 Union Street SE, East Bank Campus, East Bank Campus, MN 55455
612-625-3300, http://www.ece.umn.edu

Institute of Technology

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/

An IT computer fee is assessed at the time of registration for the following courses: EE 1301, 1301B, 1301C, 1301D, 1301E, 1301F, 1301G, 3025, 3115, 3161, 4111, 4231, 4233, 4363, 4541, 4951W, 4981H, 4982V, 5121, 5163, 5164, 5173, 5301, 5302, 5323, 5324, 5327, 5333, 5364, 5371, 5505, 5531, 5542, 5581, 5585, 5601, 5602, 5613, 5621, 5622, 5705, 9690, 9833, and 8377. See http://onestop.umn.edu/finances/tuitionrates/2004-05/techfee.html for more information on this fee.

1 Refresh Course for Electrical Engineers

An F-only; prereq [BSEE or BEE], pass EET exam, four yrs elec eng experience

12615 5001 LEC, 06:00pm-09:00pm Th, AkerH 211, 08/18/2005-10/20/2005; Ernst, Thomas W; Nordell, Daniel Edward, 4 cr

301 Introduction to Digital System Design: Discussion

(S-N only; prereq concurrent registration in 2301)

19979 501 LEC, 12:00pm-01:00pm Th, AkerH 215; a required portion of EE 2301; 5 seats reserved for IT NASS New Advanced Students; Kinney, Larry L, 0 cr

19800 502 LEC, 01:25pm-02:15pm Th, AkerH 319; a required portion of EE 2301; 5 seats reserved for IT NASS New Advanced Students; Kinney, Larry L, 0 cr

19801 503 LEC, 02:30pm-03:20pm Th, AkerH 319; a required portion of EE 2301; 5 seats reserved for IT NASS New Advanced Students; Kinney, Larry L, 0 cr

361 Introduction to Microcontrollers: Discussion

(S-N only; prereq concurrent registration in 2361)

19988 501 LEC, 01:25pm-02:15pm M, EE/CSci 1-262; a required portion of EE 2361; 2 seats reserved for IT NASS New Advanced Students; Rennolet, Charles Leon, 3 cr

19989 502 LEC, 02:30pm-03:20pm M, EE/CSci 1-262; a required portion of EE 2361; 2 seats reserved for IT NASS New Advanced Students; Rennolet, Charles Leon, 3 cr

1301 Introduction to Computing Systems (prereq High school algebra)

501 LEC, 12:45pm-02:00pm TTh, EE/CSci 3-230; a required portion of EE 2361; Rennolet, Charles Leon, 4 cr

28640 502 LEC, 01:25pm-02:15pm TTh, EE/CSci 3-230; Rennolet, Charles Leon, 4 cr

28647 503 LEC, 02:30pm-03:20pm TTh, EE/CSci 3-230; Rennolet, Charles Leon, 4 cr

1701W Energy, Environment, and Society

(meeets CLE req of Citizenship/Publ Ethics Theme; meets CLE req of Environment Theme; meets CLE req of Writing Intensive)

17505 001 LET, 09:00am-09:55am MWF, AkerH 319; Inhernson, Paul, 4 cr

2001 Introduction to Electronic and Electrical Circuits (Credit will not be granted if credit has been received for: EE 2101; prereq Phys 1302, concurrent enrollment is required in Math 2243, 2373, 2573)

14177 002 DIS, 11:15am-12:05pm T, AkerH 215; Ernie, Douglas, 3 cr

14178 003 DIS, 12:20pm-01:10pm T, AkerH 215; 3 seats reserved for IT NASS New Advanced Students; Ernie, Douglas, 3 cr

14179 004 DIS, 01:25pm-02:15pm T, AkerH 319; 3 seats reserved for IT NASS New Advanced Students; Ernie, Douglas, 3 cr

14180 005 DIS, 02:30pm-03:20pm T, AkerH 319; 3 seats reserved for IT NASS New Advanced Students; Ernie, Douglas, 3 cr

2002 Introductory Circuits and Electronics Laboratory (prereq 2001 or concurrent enrollment in 2001)

14349 001 LAB, 08:00am-09:55am W, EE/CSci 3-130; 2 seats reserved for IT NASS New Advanced Students, 1 cr

14350 002 LAB, 10:10am-12:05pm W, EE/CSci 3-130, 1 cr

14351 003 LAB, 01:25pm-03:20pm W, EE/CSci 3-130, 2 seats reserved for IT NASS New Advanced Students, 1 cr

14352 004 LAB, 03:35pm-05:30pm W, EE/CSci 3-130, 2 seats reserved for IT NASS New Advanced Students, 1 cr

14353 005 LAB, 06:00pm-08:00pm W, EE/CSci 3-130, 1 cr

14354 006 LAB, 08:00am-09:55am Th, EE/CSci 3-130, 1 cr

14355 007 LAB, 10:10am-12:05pm Th, EE/CSci 3-130, 2 seats reserved for IT NASS New Advanced Students, 1 cr

14356 008 LAB, 12:20pm-02:15pm Th, EE/CSci 3-130, 2 seats reserved for IT NASS New Advanced Students, 1 cr

14357 009 LAB, 02:30pm-04:25pm Th, EE/CSci 3-130, 1 cr

14358 010 LAB, 04:40pm-06:55pm Th, EE/CSci 3-130, 2 seats reserved for IT NASS New Advanced Students, 1 cr

19227 001 LAB, 08:00am-09:55am F, EE/CSci 3-130; 4 seats reserved for IT NASS New Advanced Students, 1 cr

28333 012 LAB, 10:10am-12:05pm F, EE/CSci 3-130; 2 seats reserved for IT NASS New Advanced Students, 1 cr

28334 013 LAB, 01:25pm-03:20pm F, EE/CSci 3-130; 6 seats reserved for IT NASS New Advanced Students, 1 cr

28335 014 LAB, 03:35pm-05:30pm F, EE/CSci 3-130, 1 cr

2006 Introductory Circuits Laboratory

19056 001 LAB, lab fee ar an alternate week schedule; EE/CSci 3130, 0.50 cr

2011 Linear Systems and Circuits (prereq 2001)

601 LEC, 12:00pm-01:15pm MWF, Vahlk 16; Ernie, Douglas, 3 cr

14185 002 DIS, 02:30pm-03:20pm M, EE/CSci 1-262; Ernie, Douglas, 3 cr

14186 003 DIS, 03:35pm-04:25pm M, EE/CSci 1-262; Ernie, Douglas, 3 cr

2101 Introduction to Electronics I

(Credit will not be granted if credit has been received for: EE 2001; prereq Linear Algebra)
**University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005**

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Credits</th>
<th>Instructor</th>
<th>Room</th>
<th>Days</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>14345</td>
<td><strong>4951W</strong> Senior Design Project (prereq ECE 3117, 3253; meets CLE req of Writing Intensive)</td>
<td>3</td>
<td>Stadler, Beth</td>
<td>AkerH 210</td>
<td>MWF</td>
<td>10:10am-11:00am</td>
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<tr>
<td>14335</td>
<td><strong>4951</strong> Senior Design Project (prereq ECE 3117, 3253; meets CLE req of Writing Intensive)</td>
<td>3</td>
<td>Stadler, Beth</td>
<td>AkerH 211</td>
<td>MW</td>
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<td>42000</td>
<td><strong>5320</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>MWF</td>
<td>12:45pm-02:00pm</td>
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<td>31393</td>
<td><strong>5230</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 2-270</td>
<td>T</td>
<td>10:10am-12:05pm</td>
</tr>
<tr>
<td>31392</td>
<td><strong>5220</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 1-262</td>
<td>T</td>
<td>03:35pm-05:30pm</td>
</tr>
<tr>
<td>31391</td>
<td><strong>5210</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 2-270</td>
<td>M</td>
<td>03:35pm-05:30pm</td>
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<tr>
<td>31390</td>
<td><strong>5200</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
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<tr>
<td>31389</td>
<td><strong>5190</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 2-260</td>
<td>W</td>
<td>03:35pm-05:30pm</td>
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<tr>
<td>31388</td>
<td><strong>5180</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
</tr>
<tr>
<td>31387</td>
<td><strong>5170</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 2-260</td>
<td>W</td>
<td>03:35pm-05:30pm</td>
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<tr>
<td>31386</td>
<td><strong>5160</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
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<tr>
<td>31385</td>
<td><strong>5150</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
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<td>10:10am-12:05pm</td>
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<tr>
<td>31384</td>
<td><strong>5140</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
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<tr>
<td>31383</td>
<td><strong>5130</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
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<td>10:10am-12:05pm</td>
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<td>31382</td>
<td><strong>5120</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
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<td>10:10am-12:05pm</td>
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<td>31381</td>
<td><strong>5110</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
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<tr>
<td>31380</td>
<td><strong>5100</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
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<td>31379</td>
<td><strong>5090</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
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<td>31378</td>
<td><strong>5080</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
</tr>
<tr>
<td>31377</td>
<td><strong>5070</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
</tr>
<tr>
<td>31376</td>
<td><strong>5060</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
</tr>
<tr>
<td>31375</td>
<td><strong>5050</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
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<td>31374</td>
<td><strong>5040</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
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<tr>
<td>31373</td>
<td><strong>5030</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
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<tr>
<td>31372</td>
<td><strong>5020</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
</tr>
<tr>
<td>31371</td>
<td><strong>5010</strong> VLSI Design Automation</td>
<td>3</td>
<td>Undrea, Tae-Yong</td>
<td>EE/CSci 3-125</td>
<td>W</td>
<td>10:10am-12:05pm</td>
</tr>
</tbody>
</table>

**Note:** This information is accurate as of 4/22/2005.
This information is accurate as of: 4/22/2005

University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005

8591  Predictive Learning from Data
[max crs 3; 3 repeats allowed; S-N only; prereq EE grad major or instr consent]
15164  [max crs 1-2; 02:00pm-03:00pm Th, Akhkt 109; Leger, James Russell; Gopinath, Anand; Talghader, Joseph John, 1 cr]

6666  Doctoral Pre-Thesis Credits
[max crs 60; 4 repeats allowed; NG; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral]
1 Theo, 1-1 cr

8888  Thesis Credit: Doctoral
[max crs 100; 10 repeats allowed; NG; prereq Max 18 cr per semester or summer; 24 cr required]
1 Theo, 1-2 cr

8940  Special Investigations
[max crs 3; prereq [may be repeated for cr]; IT grad student or instr consent]
1 LEc, 1-3 cr

8961  Plan B Proposal I
[prereq Grad EE or CompE major]
1 LEC, 1-3 cr

8970  Graduate Seminar I
[max crs 3; 3 repeats allowed; S-N only; prereq Grad student]
1 THE, 1 cr

8333  FTE: Master's
[NGA; prereq Master's student, adviser and DGS consent]
1 THE, 1 cr

8370  Computer Aided Design Seminar
[max crs 3; 3 repeats allowed; S-N only; prereq [EE or Comp or Ccse] grad major, instr consent]
1 SEM, 1 cr

8444  FTE: Doctoral
[NGA; prereq Doctoral student, adviser and DGS consent]
1 THE, 1 cr

8500  Seminar: Communications
[max crs 3; 3 repeats allowed; S-N only]
1 THE, 1 cr

8520  Advanced Topics in Digital Signal Processing
[max crs 12; 4 repeats allowed; prereq instr consent]
1 LEc, 3 cr

8591  Predictive Learning from Data
[prereq IT grad student or instr consent]
1 LEc, 1 cr

8610  Seminar: Electronics, Fields, and Photonics
[max crs 2; prereq EE grad student; may be taken to satisfy requirement for Plan B master's degree, may appear on master's program but may not be applied toward minimum]
1 scheduled lectures, 1-3 cr

14339  [01 DIST; Alouini, Mohamed-Slim, 1-2 cr]
15022  [02 DIST; Amin, Massoud, 1-2 cr]
15224  [03 DIST; Bazargan, Kia, 1-2 cr]
15226  [05 DIST; Cherkassky, Vladimir, 3-1 cr]
15527  [06 DIST; Cherkassky, Vladimir, 1-2 cr]
15529  [07 DIST; Cohen, Philip I, 1-2 cr]
15531  [08 DIST; Drayton, Rhonda Franklin, 1-2 cr]
15639  [09 DIST; Ebbini, Emad S, 1-2 cr]
15730  [10 DIST; Ernie, Douglas, 1-2 cr]
15731  [11 DIST; Georgiou, Georgios B, 1-2 cr]
15735  [14 DIST; Gopinath, Anand, 1-2 cr]
15736  [15 DIST; Harjani, Ramesh, 1-2 cr]
15737  [16 DIST; Higman, Ted K, 1-2 cr]
15738  [17 DIST; Holte, James Edward, 1-2 cr]
15739  [18 DIST; Jindal, Nihar, 1-2 cr]
15740  [19 DIST; Jacobs, Heinrich Otto Heiko, 1-2 cr]
15741  [20 DIST; Kaveh, Mostafa, 1-2 cr]
15742  [21 DIST; Kieffer, John C, 1-2 cr]
15743  [22 DIST; Kiehl, Richard, 1-2 cr]
15744  [23 DIST; Jovanovic, Mihailo, 1-2 cr]
15745  [24 DIST; Kim PhD, Chris Hyung-il, 1-2 cr]
15746  [25 DIST; Lindsay, David J, 1-2 cr]
15747  [26 DIST; Leger, James Robert, 1-2 cr]
15748  [27 DIST; Li, Xiaojin, 1 cr]
15749  [28 DIST; Luo, Zhi-Quan, 1-2 cr]
15750  [29 DIST; Mohan, Ned, 1-2 cr]
15751  [30 DIST; Mohanty, Anirudh, 1-2 cr]
15752  [31 DIST; Moon, Jaekyun, 1-2 cr]
15753  [32 DIST; Parhi, Keshab K., 1-2 cr]
15754  [33 DIST; Polla, Dennis L, 1-2 cr]
15755  [34 DIST; Sapiro, Guillermo R, 1-2 cr]
15756  [35 DIST; Sapatnekar, Sachin Suresh, 1-2 cr]
15757  [36 DIST; Robbins, William P, 1-2 cr]
15758  [37 DIST; Roychoudhury, Jaijeet, 1-2 cr]
15759  [38 DIST; Ruden, P Paul, 1-2 cr]
15760  [39 DIST; Sapatnekar, Sachin Suresh, 1-2 cr]
15761  [40 DIST; Sapiro, Guillermo R, 1-2 cr]
15762  [41 DIST; Sato, Masayuki, 1-2 cr]
15763  [42 DIST; Sato, Toshiyuki, 1-2 cr]
15764  [43 DIST; Sato, Toshiyuki, 1-2 cr]
15765  [44 DIST; Sato, Toshiyuki, 1-2 cr]
15766  [45 DIST; Sato, Toshiyuki, 1-2 cr]
15767  [46 DIST; Sato, Toshiyuki, 1-2 cr]
15768  [47 DIST; Sato, Toshiyuki, 1-2 cr]
15769  [48 DIST; Sato, Toshiyuki, 1-2 cr]
15770  [49 DIST; Sato, Toshiyuki, 1-2 cr]
15771  [50 DIST; Sato, Toshiyuki, 1-2 cr]
15772  [51 DIST; Sato, Toshiyuki, 1-2 cr]
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

3505 Advanced Clinical Endodontics
(max crs 6; A-F only; prereq 5304)
19407 001 CLN: MoosT-8-166, Baisden, Michael Kenneth, 1 cr
3508 Advanced Clinical Endodontics
(max crs 6; A-F only; prereq 5307, dept consent)
19516 001 CLN: MoosT-8-166, Baisden, Michael Kenneth, 1 cr
3512 Advanced Endodontic Emergency
(S-N only; prereq 5311)
19408 001 CLN: Bowles, Walter Ray, 1 cr
3513 Advanced Endodontic Emergency
(S-N only; prereq 5314, dept consent)
19515 001 CLN: MoosT-8-166, Bowles, Walter Ray, 1 cr
3239 Review of Cases
(A-F only; dept consent)
19409 001 LET: MoosT-8-166, Mettscheck, Donna Jean, 1 cr
5331 Review of Cases
(A-F only; prereq 5330)
19410 001 LET: MoosT-8-166, Mettscheck, Donna Jean, 1 cr
8001 Research in Endodontics
(max crs 2; prereq dept consent)
19204 001 DRS: MoosT-8-166, Edmunds, Robert Sprague, 1 cr
8004 Research in Endodontics
(max crs 2; prereq dept consent)
19211 001 DRS: MoosT-8-166, Bowles, Walter Ray, 1-2 cr
8310 Literature Review
(A-F only; prereq 8311)
19411 001 SEM: Baisden, Michael Kenneth, 2 cr
8312 Literature Review
(A-F only; prereq 8311)
19412 001 SEM: Baisden, Michael Kenneth, 2 cr
8320 Advanced Endodontic Lecture
(A-F only; dept consent)
19413 001 LEC: Bowles, Walter Ray, 1 cr
8322 Advanced Endodontic Lecture
(A-F only; dept consent)
19414 001 LEC: Bowles, Walter Ray, 1 cr

ENGLISH: COMPOSITION
(EngC)
225 Lind Hall, 207 Church Street SE, East Bank Campus, Minneapolis, MN, 55455

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/. The following EngC courses satisfy the Freshman Writing Requirement, and address the same writing, critical reading, and research objectives: 1011, 1012, 1013, 1014, 1015, 1016, and their honors versions.

1011 University Writing and Critical Reading
(prereq placement in category [2 or 3]; some sections limited to non-native speakers)
13673 001 WKS, 08:00am-09:55am MWF, LindH 315; 19 seats reserved for fr or Max 30 credits, 4 cr
13674 002 WKS, 08:00am-09:55am MWF, LindH 315; 19 seats reserved for fr or Max 30 credits; 1 seat reserved for PSEO student, 4 cr
13675 003 WKS, 09:00am-09:55am MWF, LindH 215; Non-native English speakers only; for permission, contact Sheryl Holt at 612-624-4524 or email holtl001@tc.umn.edu, 4 cr
13676 005 WKS, 10:00am-11:00am MWF, LindH 303; 2 seats reserved for fr or Max 30 credits, 4 cr
13677 006 WKS, 11:15am-12:05pm MWF, LindH 303; CSOM freshman only; 20 seats reserved for fr or Max 30 credits, 4 cr
13678 007 WKS, 12:20pm-01:10pm MWF, LindH 300; Non-native English speakers only; for permission, contact Sheryl Holt at 612-624-4524 or email holtl001@tc.umn.edu, 4 cr
13679 008 WKS, 12:20pm-01:10pm MWF, LindH 315; CLA Freshman Interest Group (FIG); 20 seats reserved for fr or Max 30 credits, 4 cr
13680 009 WKS, 10:10am-11:00am MWF, LindH 315; 1 seat reserved for PSEO student; 18 seats reserved for fr or Max 30 credits; 3 seats reserved for PSEO student, 4 cr
13681 011 WKS, 08:15am-09:30am TH, LindH 303; 19 seats reserved for fr or Max 30 credits; 1 seat reserved for PSEO student, 4 cr
13682 012 WKS, 09:45am-11:00am TH, LindH 340; 19 seats reserved for fr or Max 30 credits; 4 cr
13718 013 WKS, 03:55pm-04:25pm MWF, LindH 303; 19 seats reserved for fr or Max 30 credits; 1 seat reserved for PSEO student, 4 cr
13683 014 WKS, 11:15am-12:30pm TH, LindH 303; 1 seat reserved for PSEO student; 19 seats reserved for fr or Max 30 credits, 4 cr
13684 015 WKS, 12:45pm-02:00pm TH, LindH 325; 1 seat reserved for PSEO student; 19 seats reserved for fr or Max 30 credits, 4 cr
13719 016 WKS, 08:00am-08:50am MWF, LindH 340; 19 seats reserved for fr or Max 30 credits; 1 seat reserved for PSEO student, 4 cr
13685 017 WKS, 02:30pm-03:45pm TH, Room TBA, TCEASTBANK; Non-native English speakers only; for permission, contact Sheryl Holt at 612-624-4524 or email holtl001@tc.umn.edu, 4 cr
13686 018 WKS, 02:30pm-03:45pm TH, Room TBA, TCEASTBANK; 1 seat reserved for PSEO student; 19 seats reserved for fr or Max 30 credits, 4 cr
13687 019 WKS, 08:15am-09:30am TH, LindH 302; Non-native English speakers only; for permission, contact Sheryl Holt at 612-624-4524 or email holtl001@tc.umn.edu, 4 cr
20083 020 WKS, 02:30pm-03:20pm MWF, LindH 315; 1 seat reserved for PSEO student, 4 cr
20084 021 WKS, 02:30pm-03:20pm MWF, LindH 325; 20 seats reserved for fr or Max 30 credits, 4 cr
21154 022 WKS, 06:20pm-08:00pm TH, LindH 301; 1 seat reserved for PSEO student; 19 seats reserved for fr or Max 30 credits, 4 cr
1011H Honors: University Writing and Critical Reading
(prereq honors, [placement in category 2 or 3]; meets HON req of Honors)
18749 001 WKS, 10:10am-11:00am MWF, LindH 216, 4 cr
24870 002 WKS, 08:15am-09:30am TH, LindH 216, 4 cr
1012 University Writing and Critical Reading: Perspectives on Multiculturalism
(prereq placement in category [2 or 3]; EngC 1012 does NOT meet CLE requirement of CLE Cultural Diversity theme.)
13798 001 WKS, 10:10am-11:00am MWF, LindH 325; 1 seat reserved for PSEO student; 17 seats reserved for SEAM, 4 cr
13799 002 WKS, 09:00am-10:10am MWF, LindH 325; 19 seats reserved for SEAM, 4 cr
13808 003 WKS, 12:45pm-02:00pm TH, LindH 315; 9 seats reserved for fr or Max 30 credits; 1 seat reserved for PSEO student, 4 cr
13809 004 WKS, 11:15am-12:05pm MWF, LindH 320; 20 seats reserved for SEAM, 4 cr
13810 005 WKS, 04:00pm-05:15pm TH, LindH 340; 19 seats reserved for fr or Max 30 credits; 1 seat reserved for PSEO student, 4 cr
13811 006 WKS, 12:20pm-01:10pm MWF, LindH 320; 18 seats reserved for SEAM, 4 cr
13812 007 WKS, 02:30pm-03:20pm MWF, LindH 340; 20 seats reserved for fr or Max 30 credits; 8 cr
13813 008 WKS, 01:25pm-02:15pm MWF, LindH 325; 4 cr

This information is accurate as of: 4/22/2005
University of Minnesota – Class Schedule for Twin Cities Campus

Fall 2005

This information is accurate as of: 4/22/2005

13696 012 WKS, 02:30pm-03:45pm TTh, LindH 320; 19 seats reserved for fr or Max 30 credits, 4 cr
19051 010 WKS, 09:00am-10:15am TT, LindH 315; 1 seat reserved for PSEO student; 1 seat reserved for fr or Max 30 credits, 4 cr
19052 011 WKS, 02:30pm-03:45pm TT, Room TBA, TCEASTBANK; 1 seat reserved for PSEO student; 19 seats reserved for fr or Max 30 credits, 4 cr
13806 012 WKS, 08:15am-09:30am TT, LindH 320; 20 seats reserved for fr or Max 30 credits, 4 cr
13807 013 WKS, 11:15am-12:30pm TT, LindH 320; 20 seats reserved for fr or Max 30 credits, 4 cr

1012H University Writing and Critical Reading: Perspectives on Multiculturalism

(prereq honors, [placement in category 2 or 3]; EngC 1012H does NOT meet CLE requirement of CLE Cultural Diversity theme; meets HON req of Honors)

18451 001 WKS, 01:25pm-02:15pm MWF, LindH 340, 4 cr

1013 University Writing and Critical Reading: Nature and the Environment

(prereq placement in category 2 or 3; EngC 1013 does NOT meet CLE requirement of CLE Environment theme.)

23750 001 WKS, 02:30pm-03:45pm TT, LindH 320; 1 seat reserved for PSEO student; 19 seats reserved for fr or Max 30 credits, 4 cr
13810 002 WKS, 09:05am-10:15am MWF, LindH 315; 1 seat reserved for PSEO student; 19 seats reserved for fr or Max 30 credits, 4 cr
13811 003 WKS, 10:10am-11:20am MWF, LindH 340; 5 seats reserved for fr or Max 30 credits, 4 cr
13812 004 WKS, 09:45am-10:55am MWF, LindH 340; 1 seat reserved for PSEO student; 19 seats reserved for fr or Max 30 credits, 4 cr
25781 005 WKS, 02:30pm-03:45pm MWF, LindH 320; 19 seats reserved for fr or Max 30 credits; 1 seat reserved for PSEO student, 4 cr
25797 006 WKS, 08:15am-09:30am TT, LindH 215; 19 seats reserved for fr or Max 30 credits; 1 seat reserved for PSEO student, 4 cr
29930 007 WKS, 04:00pm-05:15pm MTTH, LindH 315; 20 seats reserved for fr or Max 30 credits, 4 cr

1013H University Writing and Critical Reading: Civic Engagement

(prereq honors, [placement in category 2 or 3]; EngC 1013H does NOT meet CLE requirement of CLE Environment theme.; meets HON req of Honors)

18748 001 WKS, 12:20pm-01:10pm MWF, LindH 340, 4 cr

1014 University Writing and Critical Reading: Contemporary Public Issues

(prereq honors, placement in category 2 or 3; EngC 1014 does NOT meet CLE requirement of CLE Citizenship and Public Ethics theme.)

13688 001 WKS, 08:00am-09:15am MWF, LindH 320; 19 seats reserved for fr or Max 30 credits, 4 cr
19053 002 WKS, 09:05am-10:15am MWF, LindH 325; 1 seat reserved for PSEO student; 19 seats reserved for fr or Max 30 credits, 4 cr
13689 003 WKS, 10:10am-11:20am MWF, LindH 320; 19 seats reserved for fr or Max 30 credits; 1 seat reserved for PSEO student, 4 cr
13690 004 WKS, 11:15am-12:30pm MWF, LindH 315; 20 seats reserved for fr or Max 30 credits, 4 cr
13691 005 WKS, 12:20pm-01:30pm MWF, LindH 320; CLA Freshman Interest Group; 20 seats reserved for fr or Max 30 credits, 4 cr
19054 006 WKS, 01:25pm-02:15pm MWF, LindH 320; 15 seats reserved for SEAM; 5 seats reserved for fr or Max 30 credits, 4 cr
13692 007 WKS, 08:15am-09:30am TT, LindH 315; 20 seats reserved for fr or Max 30 credits, 4 cr
13693 008 WKS, 09:45am-10:55am TT, LindH 325; 15 seats reserved for SEAM, 4 cr
19055 009 WKS, 11:15am-12:30pm TTh, LindH 315; 19 seats reserved for fr or Max 30 credits, 4 cr
19064 010 WKS, 02:30pm-03:45pm TTh, LindH 320; 20 seats reserved for fr or Max 30 credits, 4 cr
19066 012 WKS, 02:30pm-03:45pm TT, Room TBA, TCEASTBANK; 20 seats reserved for fr or Max 30 credits, 4 cr

501 Graduate Research Writing Practice for Non-native Speakers of English

(prereq Graduate standing)

20575 001 WKS, 12:45pm-02:00pm TT, LindH 229, 3 cr
20578 002 WKS, 04:00pm-05:15pm TT, EddyH 102, 3 cr
24845 003 WKS, 02:30pm-03:45pm TT, Room TBA, TCEASTBANK, 3 cr

502 Graduate Research Presentations and Conference Writing for Non-Native Speakers of English

(prereq [Grad student, non-native speaker of English] or consent)

24765 001 LEC, 12:45pm-02:00pm TT, LindH 340, 3 cr

ENGLISH: CREATIVE WRITING (Eng W)

209 Lind Hall, 207 Church Street SE,
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300

http://english.cla.umn.edu/undergradprogram/contents.htm

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300

28369 002 WKS, 12:45pm-02:00pm TTh, LindH 203; See note on Section 1; Browne, M, D 4 cr; Poetry

5205 Screenwriting (prereq [Jr or Sr]; one EngW 3xxx course, dept consent [permission number available in creative writing office])

22223 1001 WKS, 06:20pm-08:50pm M, AmundH 104, 4 cr; Fiction

5310 Reading as Writers (max crs 8; prereq grad student, dept consent)

21253 001 WKS, 04:15pm-06:45pm T, LindH 520; Topic: Prepara Grad Student; Meets with: 3353 ENGL 5090; Hampl, Patricia, 4 cr; The Essay

3593 Directed Study in Writing (max crs 18; 18 repeats allowed; prereq instr consent, dept consent, college consent)

15003 001 DST, 1-4 cr

19932 002 DST, 1-4 cr

8101 Reading Across Genres (S-N only; prereq Creative writing MFA student, dept consent)

14436 001 SEM, 04:15pm-06:45pm W, LindH 202; Treuer, David Robert, 4 cr

8333 FTE: Master's (NGA; Master's Student's adviser and DGS consent)

20036 001 THEL, 1-4 cr

8990 MFA Creative Thesis (max crs 48; 24 repeats allowed; prereq 8140, 8150, 8160, creative writing MFA student, instr consent)

17218 001 THEL, 2-8 cr

19498 002 THEL, 2-8 cr

WASHINGTON: LITERATURE (EngL)

207 Lind Hall, 207 Church Street SE, Minneapolis, Minnesota, MN, 55455

612/625-3363; http://english.cla.umn.edu/undergradprogram/contents.htm

ENGLISH: LITERATURE (EngL)

207 Lind Hall, 207 Church Street SE, Minneapolis, MN, 55455

612/625-3363; http://english.cla.umn.edu/undergradprogram/contents.htm

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300

This information is accurate as of: 4/22/2005
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<th>Course Code</th>
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<td>ENGL 3001W</td>
<td>Cultures I</td>
<td>4 cr</td>
<td>M, LindH 302</td>
<td>06:00am-07:00am, 307</td>
<td>Loeschnigg, Martin</td>
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<tr>
<td>ENGL 3002W</td>
<td>Cultures II</td>
<td>4 cr</td>
<td>M, LindH 305</td>
<td>06:00am-07:00am, 307</td>
<td>Weinsheimer, Joel</td>
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This information is accurate as of 4/22/2005.
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<td>5170</td>
<td>001</td>
<td>20th-Century British Literatures and Cultures</td>
<td>LEC</td>
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<td>09:35am-10:25am</td>
<td>HodsonH 490</td>
<td>001 LEC, 09:35am-10:25am TTH, Room TBA, TCEASTBANK; 8 seats reserved for Graduate Student; Meets with: 31254 ENGL 3996; Treuer, David Robert, 3 cr; Prout, Mann &amp; Joyce</td>
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<td>5175</td>
<td>001</td>
<td>20th-Century British Literatures and Cultures</td>
<td>DIS</td>
<td>MW</td>
<td>11:15am-12:30pm</td>
<td>LindH 215</td>
<td>001 DIS; 11:15am-12:30pm TTH, LindH 215; 8 seats reserved for Graduate Student; Meets with: 25409 ENGL 3175; Fischow, Peter E, 3 cr</td>
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<td>5173</td>
<td>001</td>
<td>Afro-American Novel</td>
<td>LEC</td>
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<td>LindH 215</td>
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**ENTOMOLOGY (Ent)**

219 Hodson Hall, 1980 Folwell Ave, St Paul Campus, St Paul, MN, 55108

612/624-3636, http://www.entomology.umn.edu/

College of Agricultural, Food, & Envrn Sciences

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN 55108, 612/624-9200, www.bookstore.umn.edu/
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<tr>
<td>4200H</td>
<td>Honors Seminar</td>
<td>A-F only; prereq ENR upper div honors, instr consent; meets HON req of Honors</td>
<td>4 cr</td>
<td>TTh</td>
<td>10:40am-12:05pm</td>
<td>GrnH 110</td>
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<tr>
<td>4209</td>
<td>Directed Study</td>
<td>max crs 12; 12 repeats allowed; prereq instr consent</td>
<td>4 cr</td>
<td>TTh</td>
<td>10:40am-12:05pm</td>
<td>GrnH 110</td>
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<tr>
<td>4212</td>
<td>Senior Seminar: Environmental Science</td>
<td>(A-F only)</td>
<td>3 cr</td>
<td>MWF</td>
<td>08:45am-10am</td>
<td>GrnH 110</td>
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<tr>
<td>4216</td>
<td>Contaminant Hydrology</td>
<td>0001 LEC, 12:50pm-1:00pm</td>
<td>1 cr</td>
<td>MWF</td>
<td>12:50pm-1:00pm</td>
<td>GrnH 110</td>
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<tr>
<td>4245</td>
<td>Biometeorology</td>
<td>0001 LEC, 12:50pm-1:00pm</td>
<td>1 cr</td>
<td>MWF</td>
<td>12:50pm-1:00pm</td>
<td>GrnH 110</td>
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<tr>
<td>4305</td>
<td>Experience and Training in a Field Setting</td>
<td>max crs 3; A-F only; prereq instr consent</td>
<td>3 cr</td>
<td>TTh</td>
<td>10:40am-12:05pm</td>
<td>GrnH 110</td>
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<tr>
<td>4310</td>
<td>Conservation and Management of Natural Resources</td>
<td>0001 LET, 12:50pm-1:00pm</td>
<td>1 cr</td>
<td>MWF</td>
<td>12:50pm-1:00pm</td>
<td>GrnH 110</td>
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<tr>
<td>4324</td>
<td>Sustainable Land Use Planning and Policy</td>
<td>0001 LEC, 12:50pm-1:00pm</td>
<td>1 cr</td>
<td>MWF</td>
<td>12:50pm-1:00pm</td>
<td>GrnH 110</td>
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<tr>
<td>4325</td>
<td>Natural Resources in Sustainable International Development</td>
<td>0001 LEC, 12:50pm-1:00pm</td>
<td>1 cr</td>
<td>MWF</td>
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<td>GrnH 110</td>
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<tr>
<td>4366</td>
<td>Environmental and Natural Resources Management</td>
<td>0001 LEC, 12:50pm-1:00pm</td>
<td>1 cr</td>
<td>MWF</td>
<td>12:50pm-1:00pm</td>
<td>GrnH 110</td>
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<td>4371</td>
<td>Water Quality and Natural Resources</td>
<td>0001 LEC, 12:50pm-1:00pm</td>
<td>1 cr</td>
<td>MWF</td>
<td>12:50pm-1:00pm</td>
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<tr>
<td>4425W</td>
<td>GIS in Environmental Science and Management</td>
<td>0001 LEC, 12:50pm-1:00pm</td>
<td>1 cr</td>
<td>MWF</td>
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<td>4491</td>
<td>Problem Solving and Planning in Natural Resources</td>
<td>0001 LET, 08:30am-10:00am</td>
<td>1 cr</td>
<td>MWF</td>
<td>08:30am-10:00am</td>
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<tr>
<td>4501H</td>
<td>Honors Research</td>
<td>A-F only; prereq ENR upper div honors, instr consent; meets HON req of Honors</td>
<td>4 cr</td>
<td>TTh</td>
<td>10:40am-12:05pm</td>
<td>GrnH 110</td>
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<tr>
<td>4502H</td>
<td>Honors Research</td>
<td>A-F only; prereq ENR upper div honors, instr consent; meets HON req of Honors</td>
<td>4 cr</td>
<td>TTh</td>
<td>10:40am-12:05pm</td>
<td>GrnH 110</td>
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<tr>
<td>4509</td>
<td>Business, Natural Environment, and Global Economy (A-F)</td>
<td>0001 LEC, 09:00am-10:00am</td>
<td>1 cr</td>
<td>MWF</td>
<td>09:00am-10:00am</td>
<td>GrnH 110</td>
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<tr>
<td>4511</td>
<td>Conservation of Plant Biodiversity</td>
<td>0001 LEC, 09:00am-10:00am</td>
<td>1 cr</td>
<td>MWF</td>
<td>09:00am-10:00am</td>
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This information is accurate as of: 4/22/2005
received for: ENR 3101; A-F only; prereq Grad student or instr consent; meets CLE req of Environment Theme
22400 001 LEC; 12:50pm-03:50pm M, Grahl 203, STPAUL; Meets with: 20280 ENR 3101; David, Andrew J, 3 cr
5245 Sustainable Land Use Planning and Policy
(Credit will not be granted if credit has been received for: ENR 3251; A-F only; prereq Grad student or instr consent)
17798 001 LEC; 08:45am-10:00am TTh, Grahl 203, STPAUL; Meets with: 14985 ENR 3245; Ezelir, Sherry Anne, 3 cr
5251 Natural Resources in Sustainable International Development
(Credit will not be granted if credit has been received for: ENR 3251, LAS 3251; A-F only; prereq Grad student or instr consent)
24666 001 LEC; 04:05pm-05:55pm M, Grahl 19, STPAUL; Meets with: 24665 ENR 3251; Current, Dean Alan, 3 cr
5261 Economics and Natural Resources Management
(Credit will not be granted if credit has been received for: ENR 4295W; A-F only; prereq Grad student or instr consent)
23028 001 LEC; 10:40am-12:35pm MF, Skolfield 35, STPAUL; Meets with: 15392 ENR 4295W; Bolstad, Paul V, 4 cr
5480 Topics in Natural Resources
(max crs: 6; 6 repeats allowed; prereq or grad student or instr consent)
25479 001 LEC; 05:10pm-08:00pm M, Grahl 203, STPAUL; Meets with: 25478 ENR 4295W; Brusven, Janette K, 3 cr
5501 Biological Collections: Curation and Management
(prep: [gen biology or intro to natural resources] course or instr consent)
32406 001 PRC; 01:55pm-03:50pm T, BioSci 875, STPAUL; Choewa, Anita F, 1 cr

EXPERIMENTAL AND CLINICAL PHARMACOLOGY (ECP)
7-159 WDH, 308 Harvard St SE, East Bank Campus, Minneapolis, MN, 55455
612/626-9936, http://www.pharmacy.umn.edu

FAMILY MEDICINE AND COMMUNITY HEALTH (FMCH) Medical School
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu

5201 Clinical Family Medicine
(max crs: 10; 9 repeats allowed; S-N only; prereq family practice resident or instr consent)
15823 001 CLN, 12 cr
5564 Family Practice Seminar
(max crs: 9; 9 repeats allowed; O-N only; prereq MD or DO degree)
15821 001 SEM, 1 cr
5950 Clinical Issues in Human Sexuality
(O-N only; prereq Enrollment in health sci grad programs in CSPP, Psy, PubbH, SW or FSO or instr consent)
16176 001 LEC, 2 cr
5955 Directed Study
(max crs: 10; O-N only; prereq instr consent; qualified students may arrange for work on a tutorial basis)
15822 001 DST, 1-10 cr
5960 Basic Research Methods in Family Practice
(A-F only; prereq Post-MD fellow, instr consent)
15859 001 SEM, Yazed, Mark William, 3 cr
5961 Family Medicine Fellows and Junior Faculty Integration Seminar
(max crs: 9; 9 repeats allowed; A-F only; prereq [Family medicine faculty or fellow], instr consent)
23123 001 SEM; Brundage, Richard, 1-9 cr
7500 Sub-internship in Family Medicine
(max crs: 4; HNV)
19726 001 CLN, 2-4 cr
5751 Rural Physician Associate Program (RPAP)
(max crs: 24; 3 repeats allowed; HNV; prereq Med 7500, Obst 7500, USMLE Step 1 Passing Score)
16804 001 CLN, 07/11/05-08/03/06, 2-6 cr
5752 Rural Physician Associate Program (RPAP): Orthopaedic Surgery
(P-N only; prereq 7501, RPAP student)
27793 001 CLN, 2-4 cr
5753 Preceptorship in Family Medicine Obstetrics
(max crs: 4; HNV; prereq instr consent)
19753 015 CLN, 2-4 cr
19754 016 CLN, 2-4 cr
5754 Rural Physician Associate Program (RPAP): Surgery
(HNV; prereq Med 7500, Obst 7500, USMLE Step 1 Passing Score)
25686 001 CLN, 6 cr
5755 Rural Physician Associate Program (RPAP): Obstetrics and Gynecology
(HNV; prereq 7501)
23892 001 CLN, 6 cr
5756 Rural Physician Associate Program (RPAP): Pediatrics
(HNV; prereq 7501)
25687 001 CLN, 6 cr
5758 Rural Physician Associate Program (RPAP): Urology
(P-N only)
25688 001 CLN, 2-4 cr
5759 Rural Physician Associate Program (RPAP): Primary Care Clerkship II
(HNV; prereq 7501)
23893 001 CLN, 6 cr
7510 Rural Physician Associate Program (RPAP): Primary Care Clerkship II (HNV; prereq 7509)
23894 001 CLN, 6 cr
7511 Urban Community Ambulatory Medicine (UCAM)
(HNV; prereq InMd 7508, InMd 7509)
16805 001 CLN, 4 cr
7512 Urban Community Ambulatory Medicine (UCAM)
(HNV; prereq 7511, InMd 5508, InMd 7509)
17870 001 CLN, 4 cr
7516 Research in Human Sexuality (HNV)
16806 001 DRS, 6 cr
16807 002 DRS, 6 cr
7518 In-Patient Family Medicine
(max crs: 4; HNV; prereq [Med 7500 or InMd 7508], 7509)
19730 001 CLN, 08/08/05-05/00pm MTWThF, Room THA, 2-4 cr
16809 002 CLN, 2-4 cr
7519 Clinical Practice of Occupational Medicine
(max crs: 4; HNV)
19731 001 CLN, 3-4 cr
19732 002 CLN, 3-4 cr
19733 003 CLN, 3-4 cr
16819 004 CLN, 3-4 cr
16820 005 CLN, 3-4 cr
16821 006 CLN, 3-4 cr
19756 007 CLN, 3-4 cr
19757 008 CLN, 3-4 cr
19758 009 CLN, 3-4 cr
19759 010 CLN, 3-4 cr
19760 011 CLN, 3-4 cr
19761 012 CLN, 3-4 cr
7520 Rural Rotation in Family Medicine
(max crs: 6; HNV)
19720 001 CLN, 08/08/05-05/00pm MTWThF, Room THA, 3-6 cr
16822 002 CLN, 3-6 cr
16823 003 CLN, 3-6 cr
16824 004 CLN, 3-6 cr
16825 005 CLN, 3-6 cr
16826 006 CLN, 3-6 cr
7523 Family Medicine Clerkship: Duluth (max crs 6; HNV)

7525 Cardiovascular Medicine in the Community Hospital (max crs 6; HNV; prereq Med 7500)

16868 005 CLN, 3 cr
16867 004 CLN, 3 cr
16866 003 CLN, 3 cr
16865 002 CLN, 3 cr
16864 001 CLN, 3 cr
17878 008 CLN, 3 cr
17876 006 CLN, 3 cr
17875 005 CLN, 3 cr
17874 004 CLN, 3 cr
17873 003 CLN, 3 cr
17872 002 CLN, 3 cr
16863 004 CLN, 4 cr
16862 003 CLN, 4 cr
16859 004 CLN, 4 cr
16858 003 CLN, 4 cr
16857 002 CLN, 4 cr
16856 001 CLN, 4 cr
16855 010 CLN, 2-4 cr
16853 008 CLN, 2-4 cr
16851 006 CLN, 2-4 cr
16849 004 CLN, 2-4 cr
16848 003 CLN, 2-4 cr
16847 002 CLN, 2-4 cr
16846 001 CLN, 2-4 cr
16845 010 CLN, 3-6 cr
7530 Preceptorship in Community Family Medicine (max crs 6; HNV; prereq At least soph or instr consent)

7535 Community Health in Family Medicine (max crs 6; HNV; 12 repeats allowed; meets HON req of Honors)

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)

7544 Outpatient: HIV Management in Family Medicine (HNV; prereq Med 7500)

7560 Alcohol and Drug Addiction Treatment Center (HNV)

7585 Sexual Problems in Clinical Practice (max crs 6; HNV)

7595 Research in Family Medicine (max crs 6; HNV; prereq Written project proposal approved by [faculty adviser, course director])

7599 Independent Study

FAMILY SOCIAL SCIENCE (FSOs)

290 McNeall Hall, 1985 Buford Ave, St Paul Campus, St Paul, MN, 55108 612/625-1900, http://fosos.che.umn.edu

College of Human Ecology

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul Campus, STPAUL, 3 cr

15099 001 LEC, 08:45am-10:00am TTh, HodoshH 495, STPAUL, 3 cr

3104 Global and Diverse Families (Credit will not be granted if credit has been received for: FSOS 4102; prereq at least Soph or instr consent)

3191 Independent Study in Family Social Science (max crs 12; 12 repeats allowed; prereq Jr, instr consent; meets HON req of Honors)

15014 001 IND; Bauer, Jean W, 1-5 cr
25875 002 IND; Caron PhD, Wayne Allan, 1-5 cr
25873 003 IND; Danes, Sharon M, 1-5 cr
25871 004 IND; Doherty, William J, 1-5 cr
25866 005 IND; Dowkonik, Jodi B, 1-5 cr
25864 006 IND; Goodman, William Joseph, 1-5 cr
25862 007 IND; Groeten, Harold D, 1-5 cr
25860 008 IND; McCulloch, B. Jan, 1-5 cr
25858 009 IND; Stove, Roberta K, 1-5 cr
25856 010 IND; Cunliffe, Richard W, 1-5 cr

3429 Counseling Skills Practicum I (Credit will not be granted if credit has been received for: FSOS 5429)

15141 001 LEC, 03:00pm-04:15pm TTh, McNH 146, STPAUL; Meets with 26499 FSOS 5429; Meyer, Cynthia Jo, 3 cr
32165 002 LEC, 06:00pm-08:45am M, McNH 144, STPAUL; 10 seats reserved for CCE Addiction Studies; Meets with: 32167 FSOS 5429, 3 cr

4101 Sexuality and Gender in Families and Close Relationships (prereq At least soph or instr consent)

15097 001 LEC, 01:15pm-02:30pm TTh, ClaOff B35, STPAUL; Meyer, Cynthia Jo, 3 cr

4104W Family Psychology (prereq At least soph or instr consent; meets CLE req of Writing Intensive)

24941 001 LEC, 04:00pm-05:15pm MW, 1901 Univ 110, Caon PhD, Wayne Allan, 3 cr

4153 Family Financial Counseling (A-F only; prereq [3101, 3102, 3429] or instr consent)

26657 001 LEC, 10:15am-11:30am TTh, McNH 144, STPAUL; Zuiker, Virginia Solis, 3 cr

4155 Parent-Child Relationships (A-F only; prereq At least jr or instr consent)

15108 001 LEC, 08:45am-10:00am TTh, McNH 144, STPAUL, 3 cr

4156 Legal-Economic Controversies in Families (prereq 3101 or instr consent)

30078 001 LEC, 11:45am-01:00pm TTh, McNH 110, STPAUL; Rettig PhD, Kathryn K., 3 cr

4191 Independent Study in Family Social Science (max crs 12; 12 repeats allowed; prereq Sr, instr consent; meets HON req of Honors)

15172 001 IND; Bauer, Jean W, 1-4 cr
25892 002 IND; Caron PhD, Wayne Allan, 1-4 cr
25893 003 IND; Danes, Sharon M, 1-4 cr
25894 004 IND; Doherty, William J, 1-4 cr

This information is accurate as of: 4/22/2005
FINANCE (Fina)
3-122 Carlson School of Management, 321 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-2888, http://www.csom.umn.edu

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN, 55455, 612/625-6000, www.bookstore.umn.edu

Non-Carlson students should refer to Registration Instructions for Carlson School of Management Courses, before attempting to register in the 3000-, 4000-, and 5000-level courses listed below.

3001 Finance Fundamentals
((Credit will not be granted if credit has been received for: APEC 3550, FINA 3000, A-F only; prereq 2000, OMS 1550, 60 cr))
17115 001 LEC, 09:45am-11:00am MW, CarlSmgmt 2-213, 3 cr
17116 002 LEC, 12:45pm-02:00pm MW, CarlSmgmt 2-213, 3 cr
17117 003 LEC, 02:15pm-03:30pm MW, CarlSmgmt 2-213, 3 cr
17118 004 LEC, 04:00pm-05:15pm MW, CarlSmgmt 2-213, 3 cr
17119 005 LEC, 08:15am-09:30am TTh, CarlSmgmt 2-213, 3 cr
17120 006 LEC, 11:15am-12:30pm TTh, CarlSmgmt 2-213, 3 cr
30001 007 LEC, 02:15pm-03:30pm TTh, CarlSmgmt 2-213, 3 cr
26072 002 LEC, 05:45pm-06:15pm W, CarlSmgmt L-110, 3 cr

4211 Financial Markets and Interest Rates
(A-F only; prereq 4241)
18428 001 LEC, 11:00am-01:30pm TTh, CarlSmgmt 1-132, 09/06/05-10/24/05, 2 cr
26366 002 LEC, 03:45pm-05:25pm TTh, CarlSmgmt 1-132, 09/06/05-10/24/05, 2 cr

4122 Banking Institutions
(A-F only; prereq 4211, 4241)
29689 001 LEC, 03:45pm-05:25pm TTh, CarlSmgmt 1-132, 10/25/05-12/14/05, 2 cr

4241 Corporate Financing Decisions
(A-F only; prereq 3801)
17370 001 LEC, 09:55am-11:35am TTh, CarlSmgmt 1-132, 3 cr
18429 002 LEC, 01:45pm-03:25pm TTh, CarlSmgmt 1-132, 4 cr
30008 003 LEC, 11:50am-01:30pm MW, CarlSmgmt L-110, 3 cr

4242 Corporate Investment Decisions
(A-F only; prereq 4241)
17369 001 LEC, 03:45pm-05:25pm MW, CarlSmgmt 1-132, 4 cr
26107 020 LEC, 05:45pm-09:05pm T, CarlSmgmt 1-135, 4 cr

4321 Portfolio Management and Performance Evaluation
(A-F only; prereq 4241)
17368 001 LEC, 09:55am-11:35am TTh, CarlSmgmt L-126, 09/06/05-10/24/05, 2 cr
18434 002 LEC, 08:00am-08:50am W, CarlSmgmt L-126, 10/25/05-12/14/05, 2 cr
26990 003 LEC, 11:00am-01:30pm TTh, CarlSmgmt L-126, 10/25/05-12/14/05, 2 cr
19772 020 LEC, 05:45pm-09:05pm W, CarlSmgmt L-126, 10/25/05-12/14/05, 2 cr

4322 Security Analysis
(A-F only; prereq 4241, 4321)
29691 001 LEC, 09:55am-11:35am TTh, CarlSmgmt L-126, 10/25/05-12/14/05, 2 cr

4641 International Finance and Risk Management
(A-F only; prereq 3801)
21459 001 LEC, 08:00am-09:40am TTh, CarlSmgmt L-122, 4 cr
17371 002 LEC, 11:50am-01:30pm TTh, CarlSmgmt L-135, 4 cr

FINNISH (Fin)
205 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-2080, http://www.folwell.umn.edu/gsd/ College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN, 55455, 612/625-6000, www.bookstore.umn.edu/

1001 Beginning Finnish
(Credit will not be granted if credit has been received for: FW 5136; prereq Biol 1001 or 1002)
(Credit will not be granted if credit has been received for: FIN 4001)
15466 001 LEC, 04:00pm-05:50pm M, Folli 234; 5 cr seats reserved for non-PSEO, non-admitted student; Meets with: 17669 FIN 4601; Karvonen, Daniel, 5 cr
1003 Intermediate Finnish
(Credit will not be granted if credit has been received for: FIN 4003; prereq 1002)
21038 001 LEC, 06:30pm-08:40pm TTh, Folli 234; 5 cr seats reserved for non-PSEO, non-admitted student; Meets with: 21039 FIN 4601; Karvonen, Daniel, 5 cr

3111 Advanced Finnish
C- FW 1004 or 4004
15303 001 LEC, 06:30pm-08:40pm M, Folli 234; 3 cr seats reserved for non-PSEO, non-admitted student; Karvonen, Daniel, 3 cr
4001 Beginning Finnish
(Credit will not be granted if credit has been received for: FIN 1001; prereq 1004 in another language or passing score on LPE or grad student)
17669 001 LEC, 04:40pm-06:50pm M, Folli 234; 2 cr seats reserved for non-PSEO, non-admitted student; Meets with: 15466 FIN 1001; Karvonen, Daniel, 2 cr

4003 Intermediate Finnish
(Credit will not be granted if credit has been received for: FIN 1003; prereq 1004 in another language or passing score on LPE or grad student)
21039 001 LEC, 06:30pm-08:40pm TTh, Folli 234; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 21038 FIN 4601; Karvonen, Daniel, 2 cr

FISHERIES AND WILDLIFE (FW)
200 Hodson Hall, 1980 Folwell Ave, St Paul Campus, St Paul, MN, 55108
612/624-3600, http://www.fw.umn.edu
College of Natural Resources

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN, 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN, 55108, 612/624-2980, www.bookstore.umn.edu/

1001 Orientation in Fisheries, Wildlife, and Conservation Biology (A-F only)
15866 001 LEC, 03:00pm-03:50pm M, Hodsdon 495, STPAUL; Adelman, Ira R, 3 cr
1002 Wildlife: Ecology, Values, and Human Impact (prereq Recommended for students without natural science background; meets CLE req of Citizenship/Publ Ethics Theme; meets CLE req of Environment Theme)
28773 001 LEC, 11:15am-12:30pm TTh, AckerH 319; Arnold, Todd William, 3 cr
1901 Freshman Seminar (max hrs 3; prereq Fr with no more than 29 cr; meets CLE req of Environment Theme)
28632 001 LEC, 03:00pm-04:00pm M, Hodsdon 495, STPAUL; Adelman, Ira R, 1 cr
3001 Introduction to Fisheries, Wildlife, and Conservation Biology (prereq Biol 1001 or Biol 1099; meets CLE req of Environment Theme)
17262 001 LEC, 10:40am-11:30am MWF, Hodsdon 495, STPAUL; Adelman, Ira R, 3 cr
3136 Ichthyology
(Credit will not be granted if credit has been received for: FW 5136; prereq Biol 1001 or 1002)

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<tbody>
<tr>
<td>4001</td>
<td>Biometry</td>
<td>(A-F only; prereq Math 1031)</td>
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<tr>
<td>4200H</td>
<td>Honors Seminar</td>
<td>(prereq FW upper div honors, instr consent; meets HON req of Honors)</td>
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<tr>
<td>4391</td>
<td>Independent Study: Wildlife</td>
<td>(max crs 5; prereq instr consent)</td>
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<tr>
<td>4392</td>
<td>Special Lectures: Wildlife</td>
<td>(max crs 15; 3 repeats allowed; prereq instr consent)</td>
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<tr>
<td>4517</td>
<td>Conservation Biology</td>
<td>(A-F only)</td>
</tr>
<tr>
<td>4801H</td>
<td>Honors Research</td>
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<td>5136</td>
<td>Ichthyology</td>
<td>(Credit will not be granted if credit has been received for: FW 3136; prereq Grad student)</td>
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<td>5601</td>
<td>Fisheries Population Analysis</td>
<td>(A-F only; prereq [4001 or Stat 5021], Biol 3407 [MCH 1142 or Math 1271])</td>
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<tr>
<td>5603W</td>
<td>Habitats and Regulation of Wildlife (A-F only; prereq Biol 3407)</td>
<td>makes CLE req of Environment Theme; meets CLE req of Writing Intensive</td>
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<td>5603H</td>
<td>Wildlife Handling and Immobilization for Research and Management.</td>
<td>(S-N only; prereq General biology, [grad student or vet med student or FW sr], dept consent)</td>
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<td>8200</td>
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<td>8394</td>
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**Food Science and Nutrition (FScN)**

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8330 Research Topics (max crs 6; 6 repeats allowed)  
21051 001 SEM, Visher, Susan Kay, 1 cr  
8333 FTE: Master's (NGA; prerequisite Master's student, adviser and DGS consent)  
20941 001 THE, 1 cr  
8337 Flavor Chemistry (prereq 4111)  
23572 500 LEC, 06:00pm-07:55pm T, FScN 15,  
STPAUL; Reineccius, Gary A, 1 cr  
8339 Independent Study: Food Science (max crs 6; 6 repeats allowed)  
18942 001 IND, Visher, Susan Kay, 1-4 cr  
8444 FTE: Doctoral (NGA; prerequisite Doctoral student and DGS consent)  
20240 001 THE, 1 cr  
8666 Doctoral Pre-Thesis Credits (max crs 6; 4 repeats allowed; NGA; prerequisite Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)  
20410 001 THE, 1-18 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])  
20150 001 THE, 1-18 cr  
8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; prerequisite Max 18 cr per semester or summer; 24 cr required)  
19605 001 THE, 1-24 cr

**FOREIGN STUDY (FoSt)**

149 Nicholson Hall, 216 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455

612/624-5580

http://www.cnr.umn.edu/FR

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/

3390 Study Abroad: Australasian Program (max crs 54; 3 repeats allowed)  
22272 501 LEC, 1-18 cr

**FOREST RESOURCES (FR)**

115 Green Hall, 1530 N Cleveland Ave, St Paul Campus, St Paul, MN 55108

612/624-3400

http://www.cnr.umn.edu/FR

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000 or St Paul Bookstore, 7 St Paul Campus, St Paul, MN 55108, 612-624-3400, www.bookstore.umn.edu/

1001 Orientation and Information Systems (A-F only)  
001 L, EC, 03:00pm-03:50pm M, GMhl 110,  
STPAUL; mandatory field trip 9/25/05-9/29/05; Meets with:  
15342 ENR 1001, 24680 RRM 1001,  
EK; Alan Ryan; Ganzlin, Bill Karl  
15340 002 LAB, 04:55pm-06:05pm M, FScH 35,  
STPAUL; labs begin the second week of class; Meets with:  
15343 ENR 1001, 24681 RRM 1001;  
Burk, Thomas Edward, 2 cr  
15341 003 LAB, 08:30am-09:45am T, FScH 35,  
STPAUL; labs begin the second week of class; Meets with:  
15344 ENR 1001, 24682 RRM 1001;  
Burk, Thomas Edward, 2 cr

24676 004 LAB, 03:00pm-04:15pm W, FScH 35,  
STPAUL; labs begin the second week of class; Meets with:  
15345 ENR 1001, 24683 RRM 1001;  
Burk, Thomas Edward, 2 cr  
24677 005 LAB, 04:15pm-06:00pm T, FScH 35,  
STPAUL; labs begin the second week of class; Meets with:  
15346 ENR 1001, 24684 RRM 1001;  
Burk, Thomas Edward, 2 cr  
24678 006 LAB, 03:00pm-04:15pm F, FScH 35,  
STPAUL; labs begin the second week of class; Meets with:  
15347 ENR 1001, 24685 RRM 1001;  
Burk, Thomas Edward, 2 cr

1101 Dendrology: Identifying Forest Trees and Shrubs

001 L, EC, 04:05pm-05:45pm MW, Gmhl 110,  
STPAUL; Vought, Carl Eugene  
15395 002 LAB, 12:50pm-02:50pm M, Gmhl 19,  
STPAUL; Vought, Carl Eugene, 3 cr  
15396 003 LAB, 12:50pm-02:50pm T, Gmhl 19,  
STPAUL; Vought, Carl Eugene, 3 cr  
15397 004 LAB, 12:50pm-02:50pm W, Gmhl 19,  
STPAUL; Vought, Carl Eugene, 3 cr  
15398 005 LAB, 12:50pm-02:50pm Th, Gmhl 19,  
STPAUL; Vought, Carl Eugene, 3 cr

3104 Forest Ecology

(Credit will not be granted if credit has been received for: FR 5104; A-F only, prerequisite Biol 1001 or 1009; 1 semester college chemistry recommended; Weekend field trip (required)

001 L, EC, 08:00am-09:20am MW, GMhl 110,  
STPAUL; Meets with: 14500 FR 1914; Montgomery, Rebecca Anne  
14514 002 LAB, 11:45am-03:50pm F, Gmhl 203,  
STPAUL; Meets with: 14501 FR 1914; Montgomery, Rebecca Anne, 4 cr

3114 Hydrology and Watershed Management

(Credit will not be granted if credit has been received for: FR 5114; prerequisite [Biol 1009, Chem 1011] or instr consent)

14855 001 LEC, 10:15am-11:30am TTh, GMhl 110,  
STPAUL; Meets with: 22393 FR 1914; Brooks, Kenneth N, 3 cr

3131 Geographical Information Systems (GIS) for Natural Resources

(Credit will not be granted if credit has been received for: FR 5131; A-F only; prerequisite Biol 1009 or 1009; 1 semester college chemistry recommended)

001 L, EC, 01:55pm-02:45pm TTh, GMhl 110,  
STPAUL; Meets with: 22394 FR 1913; Bolstad, Paul V  
14394 002 LAB, 10:40am-12:45pm W, FScH 35,  
STPAUL; Meets with: 22395 FR 1913; Bolstad, Paul V, 4 cr  
14395 003 LAB, 12:50pm-02:45pm W, FScH 35,  
STPAUL; Meets with: 22396 FR 1913; Bolstad, Paul V, 4 cr  
14396 004 LAB, 08:30am-10:25am Th, FScH 35,  
STPAUL; Meets with: 22397 FR 1913; Bolstad, Paul V, 4 cr  
14397 005 LAB, 08:30am-10:25am W, FScH 35,  
STPAUL; Meets with: 22398 FR 1913; Bolstad, Paul V, 4 cr  
18024 006 LAB, 08:30am-10:25am F, FScH 35,  
STPAUL; Meets with: 22399 FR 1913; Bolstad, Paul V, 4 cr

3204 Landscape Ecology and Management

(Credit will not be granted if credit has been received for: FR 5204; A-F only; prerequisite Ecology course)

26811 001 LEC, 03:00pm-04:45pm TTh, Kaffl, Kauf, 320,  
STPAUL; Meets with: 26812 FR 5204; Rich, Peter Bernard; Rich, Roy L, 3 cr

3205 Productivity and Ecology of Forest Soils

(Credit will not be granted if credit has been received for: FR 5205; prerequisite Forest ecology, silviculture)

26793 001 LEC, 01:15pm-04:45pm Th, Room TBA,  
STPAUL; Meets with: 26794 FR 5205; Gilmore, Daniel William, 3 cr

4200H Honors Seminar

(A-F only; prerequisite FR upper division honors, instr consent; meets HON req of Honors)

18017 001 SEM, 1 cr  
32417 002 SEM, 1 cr

4293 Directed Study

(max crs 15; 3 repeats allowed; prerequisite instr

This information is accurate as of: 4/22/2005
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<tr>
<th>CRN</th>
<th>Course Title</th>
<th>Type</th>
<th>Credits</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor(s)</th>
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<td>30896</td>
<td>French Civilization and Culture I</td>
<td>DIS</td>
<td>3 cr</td>
<td>TTh</td>
<td>12:45pm-2:00pm</td>
<td>Tsch 326</td>
<td>Kerr, Betsy Jean (max crs 9; 3 repeats allowed)</td>
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<td>25954</td>
<td>Directed Teaching</td>
<td>DIS</td>
<td>3 cr</td>
<td>MWF</td>
<td>12:20pm-1:15pm</td>
<td>Room TBA</td>
<td>Brewer, Daniel</td>
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<td>25955</td>
<td>Directed Readings</td>
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<td>3 cr</td>
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<td>12:45pm-2:00pm</td>
<td>Tsch 326</td>
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<td>DIS</td>
<td>3 cr</td>
<td>TTh</td>
<td>12:45pm-2:00pm</td>
<td>Tsch 326</td>
<td>Kerr, Betsy Jean (max crs 9; 3 repeats allowed)</td>
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**Fall 2005**

**University of Minnesota – Class Schedule for Twin Cities Campus**

**FRENCH AND ITALIAN (FrIt)**

260 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455

612/624-4308, http://cla.umn.edu/frit

**College of Liberal Arts**

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/624-6000, www.bookstore.umn.edu/5999 Teaching of French and Italian: Theory and Practice

5999

**GAY, LESBIAN, BISEXUAL, AND TRANSGENDER STUDIES (GLBT)**

49 Johnston Hall, 101 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455

612/625-2020

**College of Liberal Arts**

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/624-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN 55108, 612/624-2090, www.bookstore.umn.edu/1001 Introduction to GLBT Studies

**GENERAL COLLEGE (GC)**

25 Appleby Hall, 128 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455

612/625-3339, http://www.gen.umn.edu

**General College**

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN 55108, 612/624-2090, www.bookstore.umn.edu/1001 Introduction to GLBT Studies
### University of Minnesota – Class Schedule for Twin Cities Campus

**Fall 2005**

<table>
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<th>Instructor</th>
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<td>25751</td>
<td>001 LEC, 08:00am-09:55am TTh, ApH 103</td>
<td>4 cr</td>
<td>Robertson, Douglas Frederic</td>
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<td>21599</td>
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<td>ApH 104</td>
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<td>10516</td>
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<td>4 cr</td>
<td>Robertson, Douglas Frederic</td>
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<td>24495</td>
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<td>4 cr</td>
<td>Robertson, Douglas Frederic</td>
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<td>24496</td>
<td>006 DIS, 02:30pm-04:25m M, ApH 117</td>
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<td>Robertson, Douglas Frederic</td>
<td>ApH 117</td>
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<td>24497</td>
<td>008 DIS, 09:05am-11:05m W, Room TBA</td>
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**712 Introductory Algebra, Part I**

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<td>18852</td>
<td>001 LEC, 12:20-00:10pm M, ApH 3</td>
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<td>Robertson, Douglas Frederic</td>
<td>ApH 3</td>
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<tr>
<td>19180</td>
<td>002 LEC, 09:45-11:00am Th, ApH 303</td>
<td>4 cr</td>
<td>Robertson, Douglas Frederic</td>
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<td>18852</td>
<td>001 LEC, 12:20-00:10pm M, ApH 3</td>
<td>4 cr</td>
<td>Robertson, Douglas Frederic</td>
<td>ApH 3</td>
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<tr>
<td>19180</td>
<td>002 LEC, 09:45-11:00am Th, ApH 303</td>
<td>4 cr</td>
<td>Robertson, Douglas Frederic</td>
<td>ApH 303</td>
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</table>

**2005; after that non-GC students may register in the course.**

### Course Descriptions

- **Developing College Reading**
  - Max crs: 6; repeated allowed; preq Non-native speaker of English, CE enrollment, inst consent
  - 10041

- **Intermediate Algebra**
  - Max crs: 2; A-F only; preq [1081 or 1085]
  - 712

- **Intermediate Algebra (Computer)**
  - Max crs: 2; A-F only; preq [1081 or 1085]
  - 731

- **Technical Writing**
  - Max crs: 2; A-F only; preq [1081 or 1085]
  - 1076

- **Career Planning Strategies**
  - Max crs: 2; A-F only; preq Designed for non-native speaker of English; credit will not be granted if credit received for: 1407
  - 1076

- **Academic Development Seminar: Supplemental Instruction in Social Sciences**
  - Max crs: 2; A-F only; preq [1081 or 1085], concurrent enrollment in 1135-8 or 9; 18 seats reserved for NTRS (New, 1st year TRIO ONLY. Concurrent enrollment in 1281; 18 seats reserved for NTRS (New, 1st year TRIO) Solecinski, Bruce Alan, 1 cr
  - 1082

- **Technical Writing**
  - Max crs: 2; A-F only; preq [1081 or 1085]
  - 1107

- **Technical Writing**
  - Max crs: 2; A-F only; preq [1081 or 1085]
  - 1107

### Fall 2005

- **EC, 11:15am-12:05pm MF, ApH 303, Hatch, Jay Tudor**
  - 15231

**University of Minnesota – Class Schedule for Twin Cities Campus**

**This information is accurate as of: 4/22/2005**
This information is accurate as of: 4/22/2005
1312 Identity, Community, and Culture in the Performing Arts
(meets CLE req of Cultural Diversity Theme; meets CLE req of Other Humanities Core)

1350W Political Power and Social Change
(meets CLE req of Citizenship/Publ Ethics Theme; meets CLE req of Other Humanities Core; meets CLE req of Writing Intensive)

1365W Literatures of the United States
(meets CLE req of Cultural Diversity Theme; meets CLE req of Literature Core; meets CLE req of Writing Intensive)

1367W Contemporary Literature: International Perspectives
(meets CLE req of International Perspective Theme; meets CLE req of Literature Core; meets CLE req of Writing Intensive)

1374W The Movies
(meets CLE req of Other Humanities Core; meets CLE req of Writing Intensive)

1412 Writing Laboratory: Basic Writing

1419 Writing Laboratory: Advanced Writing

1422 Writing Laboratory: Communicating in Society

1450 Functions and Problems of Logic
(meets CLE req of Mathematical Thinking Core)

1461 Oral Communication in the Public Sphere
(Credit will not be granted if credit has been received for: RHET 1223, COMM 1101, COMM 1101H; meets CLE req of Citizenship/Publ Ethics Theme)
1816 African-American Literature
(meets CLE req of Cultural Diversity Theme; meets CLE req of Literature Core)
185440 LEC, 08:15am-09:30am Th, ApH 3; 36 seats reserved for GC student; Hyland, Erza St, 3 cr
203330 LEC, 11:15am-12:30pm Th, ApH 303; 36 seats reserved for GC student; Hyland, Erza St, 3 cr
1851 Multicultural Relations
(meets CLE req of Cultural Diversity Theme)
154790 LEC, 02:00pm-03:45pm Th, Room TBA, TCEASTBANK; 36 seats reserved for GC student; Hyland, Erza St, 3 cr
1901 Freshman Seminar: Environmental Issues
(Credit will not be granted if credit has been received for: GC 1902, GC 1903, GC 1904, GC 1905; prereq freshman; meets CLE req of Environment Theme)
154080 LEC, 09:00am-11:45am Th, Room TBA; 32 seats reserved for GC student; Gardner Jr, LeRoy, 3 cr
215360 LEC, 09:00am-09:45am Th, ApH 3; Concurrent registration with 1365W-002.; 32 seats reserved for GC student; Gardner Jr, LeRoy, 3 cr
1907W Freshman Seminar: Cultural Diversity
(Credit will not be granted if credit has been received for: GC 1906, GC 1907, GC 1908, GC 1909; prereq freshman; meets CLE req of Cultural Diversity Theme; meets CLE req of Writing Intensive)
278020 LEC, 02:00pm-05:00pm M, WullH 220; Jensen, Murray Stowe, 3 cr
1908W Freshman Seminar: Citizenship and Public Ethics
(Credit will not be granted if credit has been received for: GC 1906, GC 1907, GC 1908, GC 1909, GC 1910; prereq freshman; meets CLE req of Cultural Diversity Theme; meets CLE req of Writing Intensive)
266720 LEC, 02:30pm-05:00pm M, ApH 103; This is a service learning course that requires community service hours; 15 seats reserved for GC student; Optiz, Donald Luke; Hartley, Debra A, 3 cr
1990 Special Topics
(max crs 8; prereq instr consent, college consent)
188530 PRC, 1-8 cr
188540 PRC, 2-8 cr
188550 PRC, 3-8 cr
188560 PRC, 4-8 cr
188570 PRC, 1-8 cr
188580 PRC, 6-8 cr
1993 Directed Study
(max crs 8; prereq instr consent, college consent)
165140 DST, 1-8 cr
165150 DST, 2-8 cr
165160 DST, 3-8 cr
165170 DST, 4-8 cr
165180 DST, 5-8 cr
165190 DST, 6-8 cr
1996 Internship
(max crs 8; prereq instr consent, college consent)
188590 IEX, 1-8 cr
188600 IEX, 2-8 cr
188610 IEX, 3-8 cr
188620 IEX, 4-8 cr
188630 IEX, 5-8 cr
188640 IEX, 6-8 cr
2283W Psychology of Human Development
(meets CLE req of Psychology)
GENETICS, CELL BIOLOGY AND DEVELOPMENT (GCD)
6-160 Jackson Hall, 321 Church Street
SE, East Bank Campus, Minneapolis, MN, 55455
612 624-3110, www.gcd.med.umn.edu

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul Washington Ave SE, Minneapolis, MN 55455

College of Biological Sciences

31331 003 LAB, 10:10am-12:45pm TTh, Room TBA,
22662 002 LAB, 01:25pm-03:55pm MW, MCB 2-128;
14813 001 LEC, 05:30pm-06:45pm TTh, MoosT 2-

(credit will not be granted if credit has been received for: BIOL 4003; prereq Biol 1002 or 1009; not for biology majors)

Student Center, 1420 Eckles Ave, St Paul, MN 612/624-9200, www.bookstore.umn.edu/

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul Washington Ave SE, Minneapolis, MN 55455

4015 Genetics Laboratory
(prereq 3202 or Biol 4003 or Biol C 4332)
22661 001 LAB, 10:00am-12:40pm MW, MCB 2-128;
22662 002 LAB, 01:25pm-03:55pm MW, MCB 2-128;
31331 003 LAB, 10:00am-12:40pm TTh, Room TBA, TCEASTBANK, 2 cr

4793W Directed Studies: Writing Intensive
(max crs 7; 7 repeats allowed; S-N only; prereq instr consent, dept consent; meets CLE req of Writing Intensive)

4794W Directed Research: Writing Intensive
(max crs 7; 7 repeats allowed; S-N only; prereq instr consent, dept consent; meets CLE req of Writing Intensive)

This information is accurate as of: 4/22/2005

84
28179 045 DST, 1-7 cr  
28180 046 DST, 1-7 cr  
28181 047 DST, 1-7 cr  
28182 048 DST, 1-7 cr  
28183 049 DST, 1-7 cr  
28184 050 DST, 1-7 cr  
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28327 095 DRS, 1-7 cr  

8103 Human History  
(Credit will not be granted if credit has been received for: GCD 6103; [prereq Undergraduate biology, chemistry, math, and physics course; instr consent])

6110 Medical Genetics, Year 1  
(only: prereq reg med, dept consent)

29230 001 LEC, King, Richard A, 2 cr

8213 Selected Topics in Molecular Biology  
(Credit will not be granted if credit has been received for: BIOC 8213; prerequisite BIOC 8002 or instr consent)

This information is accurate as of: 4/22/2005
GEOGRAPHY (Geog)
414 Social Sciences Building, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/626-6808, http://www.geog.umn.edu

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/626-6000, www.bookstore.umn.edu/

5555 Basic Spatial Analysis
(prereq [Stat 3001 or equiv, MGIS student] or instr consent)
17263 001 LEC, 09:00am-11:30am TTh, BlegH 225; Le Roy, Bonnie S, 4 cr
17266 001 LEC, 11:15am-12:05pm MWF, WilleyH 125; Shuman, Bryan Nolan, 4 cr
17265 002 LEC, 11:15am-12:30pm MWF, WilleyH 125; Skaggs, Richard H, 1 cr

5571 Introduction to Arc/Info
(prereq Geog 5561 or equiv, status in MGIS program, familiarity with computer operating systems or instr consent)
28652 001 LEC, 06:00pm-08:30pm W, BlegH 445; Squires, Roderick H, 3 cr
28651 002 LAB, 09:00am-11:00am W, BlegH 225; Shuman, Bryan Nolan, 4 cr
28650 003 LAB, 09:00am-11:00am W, BlegH 260; Saldana, Ana, 4 cr

5574 GIS and the Internet
(prereq Geog 5561 or equiv, Geog 3511 or equiv, status in MGIS program or instr consent)
21926 001 SEM, 06:30pm-09:00pm M, BlegH 445; McMastor, Susanna Akiko, 3 cr
28990 MGIS Capstone Project
(max crs 3; 3 repeats allowed; A-F only; prereq MGIS, instr consent)
21864 001 DRS, 2-6 cr

86 This information is accurate as of: 4/22/2005
3301 Soil Mechanics I
(Credit will not be granted if credit has been received for: CE 3301; A-F only; preq IT student, AEM 3031)
001 L EC, 12:45pm-02:00pm TTh, Civil 212; Meets with: 14109 CE 3301, Detournay, Emmanuel
Michel, 3 cr
24749 002 LAB, 04:00pm-06:00pm M, Civil 350; Meets with: 14110 CE 3301, Detournay, Emmanuel Michel, 3 cr
24750 003 LAB, 04:00pm-06:00pm T, Civil 350; Meets with: 14111 CE 3301, Detournay, Emmanuel Michel, 3 cr
24751 004 LAB, 08:00am-09:55am W, Civil 350; Meets with: 14112 CE 3301, Detournay, Emmanuel Michel, 3 cr
4102W Capstone Design
(A-F only; preq CE, GeoE, or Geo upper division or graduate student on consent; meets CLE req of Writing Intensive)
13931 001 LEC, 08:00am-09:15pm TTh, Civil 210; Meets with: 11742 CE 4102W, Schultz, Astroto Emer, 3 cr
4301 Soil Mechanics II
(Credit will not be granted if credit has been received for: CE 4301; A-F only; preq IT student, AEM 3301, or instconstr)
001 L EC, 02:00pm-03:45pm TTh, Civil 210; Meets with: 20164 CE 4301, Drescher, Andrew
19839 002 LAB, 04:00pm-06:00pm T, Civil 350; Meets with: 28578 CE 4301, Drescher, Andrew, 3 cr
19840 003 LAB, 08:00am-09:55am W, Civil 350; Meets with: 28576 CE 4301, Drescher, Andrew, 3 cr
19841 004 LAB, 04:00pm-06:00pm W, Civil 350; Meets with: 28577 CE 4301, Drescher, Andrew, 3 cr
19842 005 LAB, 04:00pm-06:00pm M, Civil 350; Meets with: 28578 CE 4301, Drescher, Andrew, 3 cr
5321 Geomechanics
(Credit will not be granted if credit has been received for: CE 5321; A-F only; preq IT upper division or grad student, 4301, CE 4301 or instconstr)
29726 001 LEC, 3 cr
8300 Seminar: Geomechanics (Credit will not be granted if credit has been received for: CE 8300; max crs 4; 4 repeats allowed; S-N only)
32113 001 SEM, 12:00pm-12:50pm F, Civil 210; Meets with: 20114 CE 8300, Drescher, Andrew, 1-3 cr
8333 FTE: Master's (NGA; preq Master's student, adviser and DGS consent)
20405 001 TH, 1 cr
8444 FTE: Doctoral (NGA; preq Doctoral student, adviser and DGS consent)
20244 001 TH, 1 cr
8666 Doctoral Pre-Thesis Credits (max crs 60; 4 repeats allowed; NGA; preq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
20414 001 TH, 1-18 cr
8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; preq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
20514 001 TH, 1-18 cr
8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; preq Max 18 cr per semester or summer; 24 cr required)
19609 001 TH, 1-24 cr
GEOLOGY AND GEOPHYSICS (Geo)
106 Pillsbury Hall, 310 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/624-1333, http://www.geo.umn.edu
Institute of Technology
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN, 55455, 612/625-6000, www.bookstore.umn.edu/

1001 Earth and Its Environments
(meets CLE req of Environment Theme; meets CLE req of Physical Science/Lab Core)
001 L EC, 11:15am-12:05pm MWF, SciCB 175; Edwards, Lawrence
002 L EC, 12:20pm-01:10pm MWF, SciCB 375; Kirby, Kent Charles
003 L EC, 09:45am-10:35am MWF, Snath100; Teyssier, Christian
9004 LIEC, 06:30pm-09:20pm W, Phys 133; Meets with: 18778 CHE 111; Murphy, V Rama
101 L LAB, 09:05am-11:00am M, FordH 180; note: labs begin week of Sept 13, 4 cr
102 L LAB, 01:25pm-03:20pm M, FordH 180; note: labs begin week of Sept 13, 4 cr
103 L LAB, 03:35pm-05:30pm M, FordH 180; note: labs begin week of Sept 13, 4 cr
104 L LAB, 10:10am-12:05pm T, FordH 180; note: labs begin week of Sept 13, 4 cr
105 L LAB, 12:20pm-02:15pm T, FordH 180; note: labs begin week of Sept 13, 4 cr
106 L LAB, 02:30pm-04:25pm T, FordH 180; note: labs begin week of Sept 13, 4 cr
107 L LAB, 06:00pm-08:00pm T, FordH 180; note: labs begin week of Sept 13, 4 cr
109 L LAB, 09:05am-11:00am W, FordH 180; note: labs begin week of Sept 13, 4 cr
109 L LAB, 01:25pm-03:20pm W, FordH 180; note: labs begin week of Sept 13, 4 cr
110 L LAB, 11:15am-01:10pm Th, FordH 180; note: labs begin week of Sept 13, 4 cr
111 LAB, 01:25pm-03:20pm Th, FordH 180; note: labs begin week of Sept 13, 4 cr
112 LAB, 06:00pm-08:00pm Th, FordH 180; note: labs begin week of Sept 13, 4 cr
1002 Earth History
(Credit will not be granted if credit has been received for: GEO 5002, GEO 1102; meets CLE req of Environment Theme; meets CLE req of Physical Science/Lab Core)
001 L EC, 10:00am-11:00am MWF, Room TBA, TCEASTBANK; Meets with: 31108 GEO 1102; Kirby, Kent Charles
25762 101 LAB, 11:15am-01:10pm M, PillsH 105; note: labs begin week of Sept 13, 4 cr
22634 102 LAB, 01:25pm-03:20pm M, PillsH 105; note: labs begin week of Sept 12, 4 cr
22635 103 LAB, 12:20pm-02:15pm T, PillsH 105; note: labs begin week of Sept 12, 4 cr
22636 104 LAB, 02:30pm-04:25pm T, PillsH 105; note: labs begin week of Sept 12, 4 cr
1006 Oceanography
(Credit will not be granted if credit has been received for: GEO 5006; meets CLE req of Environment Theme; meets CLE req of Physical Science/Lab Core)
001 L EC, 02:00pm-03:20pm MWF, SciCB 175; Paola; Chris; Seyfried, William E; Kirby, Kent Charles
4902 LIEC, 06:00pm-08:00pm W, PillsH 110; Hirschmann, Marc M
20142 101 LAB, 10:10am-12:05pm M, PillsH 100; note: labs begin week of Sept 12, 4 cr
20143 102 LAB, 12:20pm-02:15pm M, PillsH 100; note: labs begin week of Sept 12, 4 cr
20144 103 LAB, 01:25pm-03:20pm M, PillsH 100; note: labs begin week of Sept 12, 4 cr
20145 104 LAB, 09:05am-11:00am T, PillsH 100; note: labs begin week of Sept 12, 4 cr
20146 105 LAB, 11:15am-01:10pm Th, PillsH 100; note: labs begin week of Sept 12, 4 cr
20147 106 LAB, 01:25pm-03:20pm Th, PillsH 100; note: labs begin week of Sept 12, 4 cr
20148 107 LAB, 06:00pm-08:00pm Th, PillsH 100; note: labs begin week of Sept 12, 4 cr
This information is accurate as of: 4/22/2005
University of Minnesota – Class Schedule for Twin Cities Campus
Fall 2005
GREEK (Grk)

330 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5353, http://enes.cla.umn.edu

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu

1001 Beginning Classical I

15572 001 LEC, 09:00am-10:05am MWF, FolH 306; TCEASTBANK; Meets with: 23438 GRK 3960H; Krevans, Nita, 3 cr
23438 001 LEC, 02:30pm-03:20pm MW, FolH 506; Meets with: 31249 GRK 3370, 31250 GRK 5370; Krevans, Nita, 3 cr
3993 Directed Studies (max crs 4)
15494 001 DST, 1-4 cr
5121 Biblical and Patristic Greek (prereq Grad student or inst con)
31251 001 LEC, 01:20pm-02:15pm MWF, FolH 375; Sello, Philip H, 3 cr
3570 Greek Literature: Epic (max crs 3; 3 repeats allowed; prereq Grad student or inst con)
31250 001 LEC, 02:30pm-03:20pm MW, FolH 506; Meets with: 23438 GRK 3960H, 31249 GRK 3370; Krevans, Nita, 3 cr
5993 Directed Studies (max crs 18; 18 repeats allowed; prereq Grad student or inst con)
15495 001 DST, 1-4 cr
5994 Directed Research (max crs 18; 18 repeats allowed; prereq Grad student or inst con)
15496 002 LEC, 02:30pm-03:20pm MW, FolH 506; Meets with: 31249 GRK 3370; Wilcox, Amanda, 3 cr
5996 Directed Instruction (max crs 20; 20 repeats allowed; prereq Grad student or inst con)
15497 001 INL, 1-12, 1-12 cr
8200 Teaching and Learning Topics in Higher Education (max crs 4; 4 repeats allowed; A-F only; prereq 8101 or PFF prog director consent)
28909 001 DIS; Class to be announced, 1 cr
25493 002 DIS, 02:30pm-03:30pm W, TCEASTBANK; Meets with: 15573 GRK 3960H; Gonzalez PhD, Anita Marie, 3 cr
28888 003 DIS, 02:30pm-03:40pm T, Eddy H 20; Class to be announced, 1 cr

HEALTH INFORMATICS (Hinf)

777 Mayo (Mayo Mail Code 511), 420 Delaware St SE, East Bank Campus, Minneapolis, MN, 55455
612-625-8440, http://www.hinf.umn.edu

Medical School

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/

5430 Health Informatics I (A-F only; prereq Grade of at least [C- or S] in 1002 or inst con)
18442 001 LEC, 04:30pm-05:30pm Th, Mayo 478; Connolly, Donald P, 3 cr
5436 Seminar (S-N only)
18443 001 SEM, 03:15pm-04:15pm Th, BS/BE 2-101; Connolly, Donald P; Ellis, Lynda B, 1 cr
5494 Topics in Health Informatics (max crs 6; prereq instr con)
18444 001 DST; Connolly, Donald P, 1-6 cr
5496 Internship in Health Informatics (max crs 3; 3 repeats allowed; S-N only; prereq 5430, 5431, instr con)
29934 001 IAS; Speedie, Stuart M; Connolly, Donald P; Whelby, Douglas R, 1 cr
5499 Capstone Project for the Masters of Health Informatics (A-F only; prereq [5430, 5431] or instr con)
26813 001 IAS; Speedie, Stuart M, 3 cr
8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
20409 001 THE, 1 cr
8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
20246 001 THE, 1 cr
8492 Advanced Readings in Health Informatics (max crs 6; A-F only; prereq instr con)

HEBREU (Hebr)

330 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5353, http://enes.cla.umn.edu

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/

1001 Beginning Hebrew I (Credit will not be granted if credit has been received for: HEBR 4001)
16371 001 LEC, 10:10am-11:00am MTWTH, FolH 334; Meets with: 21638 HEBR 4001; Schneller, Renana Segal, 5 cr
21637 002 LEC, 11:15am-12:05pm MTWTH, FolH 334; Meets with: 21642 HEBR 4001; Schneller, Renana Segal, 5 cr
1101 Beginning Biblical Hebrew I (Credit will not be granted if credit has been received for: HEBR 4104)
26609 001 LET, 09:00am-09:55am MTWTH, FolH 334; Meets with: 26692 HEBR 4104; Levineon, Berman M, 5 cr
3011 Intermediate Hebrew I (prereq Grade of at least [C- or S] in [1002 or 4002] or instr con)
16373 001 LET, 02:00pm-03:20pm MTWTH, FolH, TCEASTBANK; Meets with: 33227 HEBR 4001; Lev, Yaakov, 5 cr
3090 Advanced Modern Hebrew (max crs 18; 6 repeats allowed; prereq 3012 or instr con)
27859 001 LET, 09:00am-09:55am MW, FolH 334; Schneller, Renana Segal, 5 cr
3101 Intermediate Biblical Hebrew I (prereq Grade of at least [C- or S] in [1102 or 4105] or instr con)
31253 001 DIS, 12:20pm-01:10pm MTWTH, FolH 334; Meets with: 33218 HEBR 4106; Monroe, Lauren A, 5 cr
3951W Major Project (prereq [Hebrew major, three 3xxx Hebrew courses], instr con, dept consent; meets CLE req of Writing Intensive)
16388 001 DRS, 1 cr
3980 Directed Instruction (max crs 4; 4 repeats allowed; instr con; meets HON req of Honors)
15498 001 INL, 1-4 cr
4001 Beginning Hebrew I (Credit will not be granted if credit has been received for: HEBR 1001; prereq graduate student)
HINDI (Hindi)
453 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6534, http://www.all.umn.edu

HISTORY (Hist)
612/625-6534, http://www.hist.umn.edu

This information is accurate as of: 4/22/2005
1907W Freshman Seminar (max crs 6; A-F only; prerequisite freshman; meets CLE req of International Perspectives Theme; meets CLE req of Writing Intensive)

1909W Freshman Seminar (max crs 6; S-N only; prerequisite freshman; meets CLE req of International Perspectives Theme; meets CLE req of Writing Intensive)

23560 001 SEM, 3 cr

31512 006 DIS, 11:15am-12:05pm MW, Room TCWESTBANK, 4 cr

31513 007 DIS, 12:20pm-01:10pm MW, Room TCWESTBANK, 4 cr

24670 009 DIS, 03:35pm-04:25pm MW, Room TCWESTBANK, 4 cr

31515 British History from the Seventeenth Century (credit will not be granted if credit received for: 3152W; meets CLE req of Citizenship/Public Ethics Theme; meets CLE req of Historical Perspectives Core; meets CLE req of Writing Intensive)

31521 British History from the Eighteenth Century (credit will not be granted if credit received for: 3152W; meets CLE req of Citizenship/Public Ethics Theme; meets CLE req of Historical Perspectives Core; meets CLE req of Writing Intensive)

32552 001 LEC, 02:30pm-03:45pm Th, BlegH 230; Gallia, Andrew B, 3 cr

3419 The World's Economy Since 1500 in Comparison (credit will not be granted if credit has been received for: AFRO 3431; meets CLE req of Historical Perspectives Core; meets CLE req of International Perspectives Theme)

3425 History of Modern Mexico (credit will not be granted if credit has been received for: AFRO 3432; meets CLE req of Historical Perspectives Core; meets CLE req of International Perspectives Theme)

3431 Early Africa and Its Global Connections (credit will not be granted if credit has been received for: AFRO 3431; meets CLE req of Historical Perspectives Core; meets CLE req of International Perspectives Theme)

3436 Historical Background to Contemporary African Conflicts: Case Studies (credit will not be granted if credit has been received for: EAS 3461; max crs 4; meets CLE req of Historical Perspectives Core; meets CLE req of International Perspectives Theme)

3462 Introduction to East Asia I: The Imperial Age (credit will not be granted if credit has been received for: EAS 3462; max crs 4; meets CLE req of Historical Perspectives Core; meets CLE req of International Perspectives Theme)

3471 Modern Japan, Meiji to the Present (1868-2000) (credit will not be granted if credit has been received for: EAS 3471; meets CLE req of Historical Perspectives Core; meets CLE req of International Perspectives Theme)

3479 History of Chinese Cities and Urban Life (credit will not be granted if credit has been received for: HIST 5479; max crs 4; A-F only)

3489 Virginia and the World of Empire 1607-1721 (credit will not be granted if credit has been received for: WOST 3489; meets CLE req of Historical Perspectives Core; meets CLE req of International Perspectives Theme)

1905 Freshman Seminar (max crs 3; A-F only; prerequisite freshman)

1907W Freshman Seminar (A-F only; prerequisite freshman; meets CLE req of Cultural Diversity Theme; meets CLE req
(NGA; prereq Doctoral student, adviser and DGS consent)

20248 001 THE 1 cr

8631 Directed Study
(max crs 12; A-F only; prereq instr consent)

19903 001 LEC, Eyler, John M, Gunn, Jennifer Lee, 1-6 cr

8666 Doctoral Pre-Thesis Credits
(max crs 60; 4 repeated allowed; NGA; Max 60 cr per semester or summer; doctoral student who has not passed prelim oral)

20421 001 THE, 1-18 cr

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

20519 001 THE, 1-18 cr

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

19613 001 THE, 1-24 cr

HISTORY OF SCIENCE AND TECHNOLOGY (HSci)

381 Physics, 116 Church Street SE, East Bank Campus, Minneapolis, MN, 55455 612/624-7069, http://www.physics.umn.edu/groups/hsci

Institute of Technology

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-626-6000, www.bookstore.umn.edu

1714 Technology and Western Civilization: To the Industrial Revolution
(Credit will not be granted if credit has been received for: HSCI 3714; meets CLE req of Historical Perspective Core; meets CLE req of International Perspective Theme)

1905 Freshman Seminar
(A-F only; prereq Fr with no more than 30 cr or FRFY)

332 Science and American Culture
(Credit will not be granted if credit has been received for: HSCI 5332; meets CLE req of Cultural Diversity Theme; meets CLE req of Historical Perspective Core)

333V Honors Courses: Issues in Twentieth Century American Science and Technology
(meets CLE req of Citizenship/Publi Ethics Theme; meets CLE req of Historical Perspective Core; meets CLE req of Writing Intensive; meets HON req of Honors)

5211 Biology and Culture in the 19th and 20th Centuries
(Credit will not be granted if credit has been received for: HSCI 5211; meets CLE req of Historical Perspective Core)

3121 Biology and Culture in the 19th and 20th Centuries
(Credit will not be granted if credit has been received for: HSCI 3121; meets CLE req of Historical Perspective Core)

3122 History of Science: Ancient Science to the Scientific Revolution (Credit will not be granted if credit has been received for: HSCI 1815; meets CLE req of Historical Perspective Core; meets CLE req of International Perspective Theme)

3123 History of Science: Ancient Science to the Scientific Revolution
(Credit will not be granted if credit has been received for: HSCI 3123; meets CLE req of International Perspective Theme)

3124 History of Science: Ancient Science to the Scientific Revolution
(Credit will not be granted if credit has been received for: HSCI 3124; meets CLE req of International Perspective Theme)

3125 History of Science: Ancient Science to the Scientific Revolution
(Credit will not be granted if credit has been received for: HSCI 3125; meets CLE req of International Perspective Theme)

3126 History of Science: Ancient Science to the Scientific Revolution
(Credit will not be granted if credit has been received for: HSCI 3126; meets CLE req of International Perspective Theme)

1815 Introduction to History of Science: Modern Science
(Credit will not be granted if credit has been received for: HSCI 3815; meets CLE req of Historical Perspective Core; meets CLE req of International Perspective Theme)

19614 001 THE, 1-24 cr

This information is accurate as of: 4/22/2005
HORTICULTURAL SCIENCE (Hort)
305 Alderman Hall, 1970 Folwell Ave, St Paul Campus, St Paul, MN, 55108
612/624-5300, www.hort.agri.umn.edu/College of Agricultural, Food, & Envir Sciences

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN 55108, 612-624-9200, www.bookstore.umn.edu/

1001 Plant Propagation
(meets CLE req of Biological Sciences/Lab Core)
001 L EC, 11:45am-01:00pm TB, BorH 335, STPAUL, Hoover, Emily Esther
15248 002 LAB, 09:35am-11:30am TB, PlantGrowth 140B, STPAUL, Hoover, Emily Esther, 4 cr
15249 003 LAB, 01:15pm-03:00pm T, PlantGrowth 140B, STPAUL, Hoover, Emily Esther, 4 cr
15250 004 LAB, 09:35am-11:30am TB, PlantGrowth 140B, STPAUL, 6 seats reserved for COAFES Hort, STPAUL, Hoover, Emily Esther, 4 cr
15251 005 LAB, 01:15pm-03:00pm Th, PlantGrowth 140B, STPAUL, 6 seats reserved for COAFES Hort, STPAUL, Hoover, Emily Esther, 4 cr
1004 Building Your Horticulture Learning Community
(A-F only; prereq [New NHS adm or new NAS adm], environmental horticulture major)
29155 001 DIS, 01:35pm-03:00pm F, AlderH 310, STPAUL, Markhart, Albert Henry, 1 cr
1013 Floral Design
(max crs 3)
001 L EC, 01:55pm-02:45pm M, AlderH 415, STPAUL, Anderson, Neil Owen
28738 002 DIS, 03:00pm-06:00pm M, AlderH 423, STPAUL, 2 cr
1015 Woody and Herbaceous Plants
(A-F)
001 L EC, 08:00am-09:20am T, AlderH 415, STPAUL, Galatowitsch, Susan M, Hokanson, Stan C
32068 002 LAB, 09:35am-11:30am T, AlderH 415, STPAUL, Galatowitsch, Susan M, Hokanson, Stan C
32069 003 LAB, 11:45am-01:40pm T, BorH 365, STPAUL, Galatowitsch, Susan M, Hokanson, Stan C
32070 004 LAB, 01:55pm-03:50pm T, AlderH 415, STPAUL, Galatowitsch, Susan M, Hokanson, Stan C

3090 Horticultural Practicum
(max crs 12; 6 repeats allowed; prereq Jr or Sr Hort major, instr consent)
15175 001 PRC, 2 cr
4021 Landscape Design and Implementation I
(prereq 1001, 1011, 1012)
001 L EC, 09:30am-10:25am MW, AlderH 405, STPAUL, Pedersen, Brad
14990 002 LAB, 10:40am-12:35pm MW, AlderH 405, STPAUL, Pedersen, Brad, 4 cr
003 L EC, 04:00pm-05:45pm TTh, AlderH 405, STPAUL, Weisenboeck, Julie Edith
21811 004 LAB, 07:00pm-08:55pm TTh, AlderH 405, STPAUL, 1 seat reserved for non-PSEO, non-admitted student; Weisenboeck, Julie Edith, 4 cr
4061W Turfgrass Management
(A-F; prereq 1001, Soil 2125; meets CLE req of Writing Intensive)
001 L EC, 12:50pm-01:40pm T, AlderH 415,
### University of Minnesota – Class Schedule for Twin Cities Campus

**Fall 2005**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
<th>Location</th>
<th>Time</th>
<th>Notes</th>
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<tbody>
<tr>
<td>3021</td>
<td>Human Resource Management and Industrial Relations</td>
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<tr>
<td>33115001</td>
<td>SEM, 09:45am-11:00am TTh, CarlSMgmt 1-127, 10/25/05-12/14/05, 2 cr</td>
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<td>3041</td>
<td>The Individual in the Organization</td>
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<tr>
<td>3071</td>
<td>Union Organizing and Labor Relations (prereq CSOM upper div undergrad major grad)</td>
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<tr>
<td>3072</td>
<td>Collective Bargaining and Dispute Resolution (prereq CSOM upper div undergrad major grad)</td>
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<tr>
<td>3073</td>
<td>Systems of Conflict and Dispute Resolution (prereq CSOM upper div undergrad major grad)</td>
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<tr>
<td>3003</td>
<td>Hydra and Organizational Dynamics (prereq CSOM upper div undergrad major grad)</td>
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<tr>
<td>3023</td>
<td>Employment and Labor Law for the HRIR Professional (A-F; prereq ([At least 60 sem cr or 75 qtr cr], 2.00 GPA) or student or instr consent)</td>
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<td>3004</td>
<td>Innovative HR Leadership in the Context of Change and Uncertainty (prereq ([At least 60 cr], 2.00 GPA) or student or dept consent; grad majors must register A-F)</td>
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<td>3015</td>
<td>Public Policies on Employee Benefits: Social Safety Nets (prereq Undergrad in micro economics; grad majors must register A-F)</td>
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<td>3016</td>
<td>Employee Relations and Industrial Relations (max crs 8; prereq dept consent or instr consent)</td>
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<tr>
<td>3017</td>
<td>Independent Study in Human Resource and Industrial Relations (max crs 8; prereq dept consent or instr consent)</td>
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<td>3018</td>
<td>Applied Quantitative Methods in Human Resources and Industrial Relations</td>
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</table>

**Human Resources and Industrial Relations (HRIR)**

3-300 Carlson School of Management, 321 19th Ave S, West Bank Campus, Minneapolis, MN, 55455

624-2500, http://www.csom.umn.edu

Curtis L. Carlson School of Management

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu

Non-Carlson students should refer to **Registration Instructions for Carlson School of Management Courses**, before attempting to register in the 3000-, 4000-, and 5000-level courses listed below.

1907W Freshman Seminar (max crs 6; A-F; prereq Fr; meets CLE req of Cultural Diversity Theme; meets CLE req of Writing Intensive)

33115 001 SEM, 09:15am-11:00am TTh, CarlSMgmt 1-127, 10/25/05-12/14/05, 4 cr

3021 Human Resource Management and Industrial Relations (Credit will not be granted if credit has been received for: WCFE 5624; A-F only)

32841 001 LEC, 09:00am-11:00am TTh, Room TBA, TCWESBMKT, 10/25/05-12/14/05, 2 cr

32843 003 LAB, 03:45pm-05:25pm TTh, Room TBA, TCWESBMKT, 10/25/05-12/14/5, 2 cr

32844 001 LEC, 08:00am-10:50am M, Room TBA, WCIRIRI1, 10/25/05-12/14/5, 2 cr

32845 003 LAB, 03:45pm-05:25pm TTh, Room TBA, TCWESBMKT, 10/25/05-12/14/5, 2 cr

32846 001 LEC, 08:00am-11:50am M, Room TBA, TCWESBMKT, 10/25/05-12/14/5, 2 cr

32847 001 LEC, 08:00am-10:50am M, Room TBA, WCIRIRI1, 10/25/05-12/14/5, 2 cr

32848 003 LAB, 03:45pm-05:25pm TTh, Room TBA, TCWESBMKT, 10/25/05-12/14/5, 2 cr

32849 001 LEC, 09:00am-11:00am TTh, Room TBA, TCWESBMKT, 10/25/05-12/14/5, 2 cr

32850 003 LAB, 03:45pm-05:25pm TTh, Room TBA, TCWESBMKT, 10/25/05-12/14/5, 2 cr

This information is accurate as of: 4/22/2005
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu

Non-Carlson students should refer to Registration Instructions for Carlson School of Management Courses, before attempting to register in the 3000-, 4000-, and 5000-level courses listed below.

3001 Information Systems for Business Processes and Management (A-F only; prereq [BA 1001 or equivalent using Windows/Internet], 30 cr)

1501 L EC, 08:00am-08:50am MW, CarlsonSmgt L-110
002 L EC, 09:00am-09:50am MW, CarlsonSmgt L-110
003 L EC, 10:30am-11:20am Th, CarlsonSmgt 2-215
004 L EC, 01:25pm-02:15pm MW, Room TBA, TCWESTBANK

17142 006 LAB, 09:00am-09:55am W, CarlsonSmgt L-117, 3 cr
17143 006 LAB, 10:10am-11:00am W, CarlsonSmgt L-117, 3 cr
26076 008 LAB, 11:15am-12:05pm W, CarlsonSmgt L-117, 3 cr
26077 009 LAB, 12:20pm-01:10pm W, CarlsonSmgt L-117, 3 cr
26078 010 LAB, 03:35pm-04:25pm Th, CarlsonSmgt L-117, 3 cr
26079 011 LAB, 04:40pm-05:30pm Th, CarlsonSmgt L-117, 3 cr
1920 L EC, 05:45pm-06:37pm Th, CarlsonSmgt L-117
26080 021 LAB, 07:40pm-08:30pm Th, CarlsonSmgt L-117, 3 cr

3201 Introduction to Programming for Systems Development (A-F only; prereq 3001, MIS major)
22851 001 LEC, 01:45pm-02:35pm MW, CarlsonSmgt L-132, 4 cr

3202 Analysis and Modeling for Business Systems Development (A-F only; prereq 3001)
22852 001 LEC, 09:55am-11:55am MW, CarlsonSmgt L-134, 4 cr
30019 002 LEC, 11:50am-01:30pm MW, CarlsonSmgt L-132, 4 cr

4421 Financial Information Systems and Technologies (A-F only; prereq 3001)
18994 001 L EC, 03:45pm-05:25pm MW, CarlsonSmgt L-142, 10/25/05-12/14/05, 2 cr
4441 Electronic Commerce (A-F only; prereq 3001)
29701 001 L EC, 03:45pm-05:25pm MW, CarlsonSmgt L-142, 09/06/05-10/24/05, 2 cr

6040 Information Technology Management (Credit will not be granted if credit has been received for: MBA 6240; A-F; prereq MBA core menu course)
28561 0900 LEC, 05:45pm-07:25pm W, CarlsonSmgt L-135, 09/06/05-10/24/05, 48 seats reserved for PT MBA student; Riggins, Frederick J, 2 cr
4601 Decision Technologies (A-F; prereq MBA student)
28562 0500 LEC, 05:45pm-07:25pm Th, CarlsonSmgt L-149, 09/06/05-10/24/05, 36 seats reserved for PT MBA student; 12 seats reserved for MBA day student; Curley, Shawney P, 2 cr
4642 Electronic Auctions and Exchanges (max crs 5; A-F; prereq MBA student)
19552 000 LEC, 05:45pm-07:25pm Th, CarlsonSmgt 2-215, 10/25/05-12/14/05, 36 seats reserved for PT MBA student; 12 seats reserved for MBA day student; Gupta, Alok, 2 cr

6471 Knowledge Management (A-F; prereq MBA student)
17429 0900 LEC, 05:45pm-07:25pm Th, CarlsonSmgt 2-224, 09/06/05-10/24/05, 12 seats reserved for MBA day student; 36 seats reserved for PT MBA student; Subrahmaniam, Mani R, 4 cr

4681 Managerial Decision Making (A-F; prereq MBA student)
19782 0900 LEC, 05:45pm-07:25pm W, CarlsonSmgt 1-135, 10/25/05-12/14/05, 36 seats reserved for PT MBA student; 12 seats reserved for MBA day student; Curley, Shawney P, 2 cr
INFRASTRUCTURE SYSTEMS ENGINEERING (ISE)
510 WBOB, 1300 S 2nd St, West Bank Campus, Minneapolis, MN, 55454
612/624-5747, http://www.cdtl.umn.edu

Institute of Technology

5113 Computer Applications in Infrastructure Systems Engineering (A-F only; prereq ISE grad student)
22844 001 LEC, Class meets in WBOB. Course requires the use of computer. Consultant: Richard, 2 cr
25000 Public Interactions (max 2; A-F only; prereq ISE student)
21314 001 LEC, 09:00am-05:00pm T-Th, S, WBOB 538, 9/06/05-09/24/05; 3 Cr.
5503 Financial Management in Public Organizations (A-F only; prereq ISE student)
22845 001 LEC, 08:00am-12:00pm F, S, WBOB 538, Wam, Edward J, 2 cr
25040 Construction Law and Ethics (A-F only; prereq ISE student)
22384 001 LEC, 09:00am-05:00pm F, S, WBOB 140, STPAUL, Kavanay, Richard, 2 cr
8105 Capstone Project (max 3; A-F only; prereq ISE student)
22364 001 LEC, 08:00am-12:00pm F, S, WBOB 140, OFFCMPT; Voller, Vaughan Richard, 2 cr

INNOVATION STUDIES (IS)
170 WheSI, 77 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55454
612/626-8724, http://www.cce.umn.edu/mls

College of Continuing Education

5001 Knowledge and Process Foundations (max crs 3; 3 repeats allowed; A-F only; prereq dept consent)
24906 001 LEC, 09:00am-09:59pm Th, BlegH 115, Innovation Studies: Knowledge and Process Foundations - Presents key Innovation Studies methods and tools that support individualized learning and leadership processes while being broadly based and dynamic. The models support the development of innovative and collaborative individuals.
5100 Innovation Studies Seminar (max crs 24; 24 repeats allowed; A-F only; prereq dept consent)
24907 001 SEM, 08:20am-08:50am M, BlegH 210, Evolving Knowledge-Based Continuous Innovation in Russia and Eastern Europe - Comparatively examine and assess trends and indicators associated with the arrival of Russian and Eastern Europe's innovation economies, as well as methods through which value creativity and innovations on all levels, including the personal and social.
5950 Special Topics (max crs 12; 3 repeats allowed; A-F only; prereq dept consent)
33044 001 LEC, 09:00am-02:30pm S, HHHC 20, 10/01/05-10/01/05, Liberal Skills for New Knowledge Production - New knowledge production occurs daily in the lives of active people. New knowledge is synonymous with new meanings that affect decision-making and the growth of strategic personal options. Participate in the growth of positive new knowledge using practical, strategically focused liberal skills derived from the liberal arts and interdisciplinary learning.
33046 003 LEC, 09:00am-02:30pm S, HHHC 20, 12/01/05-12/01/05, The Futures of Individualism and Collectivism - In the history of human societies a persistent controversy has surrounded the relative virtues of self-interest over group loyalty. Such controversy is currently a part of the sociopolitical dialogue within and
This information is accurate as of: 4/22/2005
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

3001 Human Anatomy (prereq [Biology or equiv.], soph)
20638 001 LEC, 09:05am-09:55am MWF, MoosT
29480 001 LAB, 10:10am-12:05pm MWF, MoosT

6001 Directed Study I (P-N only)
29396 001 DST, 0 cr
6002 Directed Study II (P-N only)
29397 001 DST, 0 cr
6003 Independent Study (P-N only)
29398 001 IND, 0 cr
6050 Physician and Society I (P-N only; prereq Registered medical student)
22392 001 LEC, 10:30am-12:05pm Th, PBW 2-470, 08/11/05-12/08/05, 3 cr
6052 Physician and Society III (P-N only; prereq 6051)
25528 001 LEC, 10:30am-12:05pm T, MoosT 2-650, 09/06/05-12/20/05, 2 cr

6101 Physician and Patient II (max crs 4; P-N only; prereq 6100)
16916 001 CLN, 09/06/05-12/20/05, 2 cr
6102 Physician and Patient III: Internal Medicine (max crs 3; P-N only; prereq 6101, dept consent)
16917 001 CLN, 2 cr
6103 Physician and Patient III: Family Practice (max crs 3; P-N only; prereq 6102, dept consent)
16918 001 LEC, 2 cr
6104 Physician and Patient III: Pediatrics (max crs 3; P-N only; prereq 6103, dept consent)
16919 001 LEC, 2 cr
6150 Human Gross Anatomy and Embryology (P-N only; prereq Medical student or dental student or instr consent)
1001 LEC, 08:00am-08:50am MTWTTh, PBW 2-470, 08/11/05-09/30/05, 01:25pm-02:15pm MTWTTh, Room TBA, TCEASTBANK, 08/11/05-09/30/05, 04:40pm-05:30pm MTWTTh, Room TBA, TCEASTBANK, 08/11/05-09/30/05; Roberts, Kenneth P 001 LAB; med students only; Meets with: 21297
6151 Human Gross Anatomy and Embryology I (P-N only; prereq Reg med)
16920 001 LEC, 09:00am-09:50am M, W, T, MoosT 2-650, 09/06/05-12/20/05, 09:05am-09:55am M, W, T, MoosT 2-650, 09/06/05-12/20/05, 10:10am-12:05pm MTWTTh, Room TBA, TCEASTBANK, 09/06/05-12/20/05, 10:10am-11:00am Th, Room TBA, TCEASTBANK, 09/06/05-12/20/05, 5-15 cr
7000 Interdisciplinary Research (HNV; prereq [3rd or 4yr] medical student; MD/Ph.D. program preferred)
22409 001 DRS, 2-12 cr
7001 Interdisciplinary Research I (HNV; prereq 3rd or 4yr medical student)
22446 001 DRS, 2-12 cr
7508 Clinical Medicine IV: Primary Care Medicine (HNV; prereq 6104)
19344 001 RGT, 4 cr
7509 Clinical Medicine IV: Primary Care Medicine (HNV; prereq 6508)
19345 001 RGT, 4 cr
7552 Traditional Indian Medicine Clerkship (HNV; prereq Med student, dept consent)
23809 001 RGT, 2-6 cr
7555 Elective Away for Credit (max crs 6; HNV; prereq Med student, dept consent)
23810 001 RGT, 2-6 cr
7556 Elective Away for Credit 2 (HNV)
23812 001 RGT, 2-6 cr
7557 Elective Away for Credit 3 (HNV)
23895 001 LEC, 2-6 cr
7558 Elective Away for Credit 4 (max crs 6; HNV)
23813 001 RGT, 2-6 cr
7560 Elective Away at National Institutes of Health (NIH) (HNV; prereq Med student, dept consent)
25579 001 RGT, 2-6 cr
7561 Clinical Experience in International Medicine I (max crs 6; 3 repeats allowed; HNV; prereq Med student)
23814 001 RGT, 2-6 cr
7562 Clinical Experience in International Medicine II (max crs 6; 3 repeats allowed; HNV; prereq Med student, dept consent)
19346 001 RGT, 2-6 cr
7563 Clinical Experience in International Medicine III (max crs 6; HNV; prereq Med student, dept consent)
29322 001 RGT, 2-6 cr
7577 Introduction to Complementary and Alternative Therapies (HNV, prereq Internet access, basic e-mail skills)
21223 001 CLN, 3 cr
7578 Interdisciplinary Palliative Care: an Experiential Course in a Community Setting (HNV)
22491 001 LEC, 02:30pm-04:25pm M, Room TBA, TCEASTBANK, 10/17/05-11/07/05; Meets with: 22885 CPHS 5511, 4 cr
7600 Advanced Topics in Anatomy (max crs 15; HNV)
21231 001 LEC, 1-15 cr
25685 002 LEC; Roberts, Kenneth P, 1-15 cr
7601 Advanced Clinical Gross Anatomy I (P-N; prereq 6150 or instr consent)
23883 001 LAB, 2 cr
7602 Advanced Clinical Gross Anatomy II (max crs 6; P-N; prereq 7601 or instr consent)
23896 001 LEC; Roberts, Kenneth P, 2-6 cr
7999 Head and Neck Anatomy (HNV; prereq [Medical or dental] resident)
23562 001 LAB, 3 cr

INTERNATIONAL BUSINESS (Bus)
4-300 Carlson School of Management, 321 19th Ave S, West Bank Campus, Minneapolis, MN 55455 612/625-0027, http://www.csom.umn.edu

Curtis L. Carlson School of Management
5100 International Business: Undergraduate Exchange (max crs 48; 3 repeats allowed; S-N only; prereq 60 cr completed by time of study abroad, Carlson International Programs consent)
26673 001 LEC, 4-16 cr
5300 International Business: Graduate Exchange (max crs 48; 3 repeats allowed; S-N only; prereq Carlson grad student, consent of Int'l Programs)
24422 001 LEC, 4-16 cr
24423 001 LEC, 4-16 cr

INTERPERSONAL RELATIONSHIPS RESEARCH (IRel)
104 Child Development, 51 E River Road, East Bank Campus, Minneapolis, MN 55455 612/624-0526

College of Education & Human Development

This information is accurate as of: 4/22/2005
This information is accurate as of: 4/22/2005
### Directed Internship

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### Cases in Strategic Planning and Thinking

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### Advanced Electronic News Writing and Reporting

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### Capstone: Advanced Electronic News Writing and Reporting

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### Capstone: Advanced Reporting Methods

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This information is accurate as of: 4/22/2005

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**Note:** The above text contains a table with course codes, titles, instructors, and credit hours, along with additional information on prerequisites for each course. The table is structured in a standard tabular format, making it easy to read and understand. The information is accurate as of April 22, 2005.
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KINESIOLOGY (Kin)

220 Cooke Hall, 1900 University Ave SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5300, http://education.umn.edu/kls
College of Education & Human Development

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul SE, East Bank Campus, Minneapolis, MN 55108, 612/624-9200, www.bookstore.umn.edu/

1050 Beginning Military Physical Fitness Training
(max crs 4; 4 repeats allowed; A-F only)
3935 001 LEC, 06:00am-07:20am MWF, Armory 116, Meets with 19336 KIN 3050; Mikals, Rick Allen, 1-5 cr

1871 Introduction to Kinesiology
(A-F only)
14171 001 LEC, 09:05am-09:55am MW, 1701 Univ 143; Swanson, Karen Jane, 2 cr

993 Directed Study in Kinesiology
(max crs 6; A-F only; prereq instr consent)
14496 001 DST; Pickett, Robert Richard, 1-6 cr

9901 Lifetime Fitness and Health
(A-F only; meets CLE req of Social Science)
Factors/Ergonomics
(Credit will not be granted if credit has been received for REC 5501; A-F only)

5103 Developmental/Adaptive Physical Education (A-F only)

5111 Sports Facilities
(Credit will not be granted if credit has been received for: REC 5111; A-F only; prereq Kin for Rec grad student or MEA student)

5122 Applied Exercise Physiology (A-F only; prereq 4385 or equiv or instr consent)

5141 Nutrition for Health and Physical Performance
(A-F only; prereq FScN 1112 or equiv)

5145 Foundations of Kinesiology (A-F only; prereq Kin major or instr consent)

5196 Practicum: Developmental/Adapted Physical Education
(max crs 4; 4 repeats allowed; S-N only; prereq 5103 or concurrent enrollment 5104 or concurrent enrollment 5104 or instr consent; KIN undergraduate pre-teaching with sr status are limited to 2 practicum enrollments)

5485 Advanced Electrocardiogram, Graded Exercise Testing, and Prescription (A-F only; prereq [3385, 4385] or instr consent)

5511 Women in Sport and Leisure
(Credit will not be granted if credit has been received for: REC 5511; A-F only)

5631 Programming and Promotion in Sport
(Credit will not be granted if credit has been received for: REC 5631; A-F only; prereq Kin or Rec grad student or instr consent)

5696 Practicum in Kinesiology
(max crs 6; 6 repeats allowed; S-N only; prereq Grad student in KIN, instr consent)

086 PRC; Koscheyev, Victor S, 1-6 cr
and Settlement
(A-F only; prereq 5203, 5571, grad LA major, concurrent enrollment 8202 or instr consent)

572 Plants in Design
(A-F only; prereq [5201, 5203, plant identification course] or instr consent)

574 Identification of Minnesota Flora
(A-F only; prereq BED accelerated status or LA grad student or instr consent)

8201 Designing Landscapes for Dwelling

8405 Interdisciplinary Studies in Landscape Architecture
(max crs 12; 12 repeats allowed; A-F only; prereq Grad LA major or instr consent)

15061 005 DST; Neckar, Lance M, 1-6 cr
15619 001 DST; Koepke, John Albert, 1-6 cr
15618 007 DST; Sykes, Robert D, 1-6 cr
15616 008 DST; Miller, Kristine Frances, 1-6 cr
22780 010 DST; Hewitt, Clinton N, 1-6 cr
25532 010 DST; Musacchio, Laura R, 1-6 cr

17591 007 DST; Sykes, Robert D, 1-6 cr
17590 006 DST; Pitt, David George, 1-6 cr
17589 005 DST; Neckar, Lance M, 1-6 cr
17586 002 DST; Koepke, John Albert, 1-6 cr
17584 003 DST; Krinke, Rebecca Jean, 1-6 cr
17581 001 DST; Galatowitsch, Susan M, 1-6 cr

577 Language, Teaching, and Technology (LgTT)
51 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-3865

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/1101 Applications of Technology in Languages

15060 001 DST; Koepke, John Albert, 1-6 cr
15617 004 DST; Martin, Roger B, 1-6 cr
15616 003 DST; Krinke, Rebecca Jean, 1-6 cr
15615 007 DST; Sykes, Robert D, 1-6 cr
15614 006 DST; Pitt, David George, 1-6 cr
15613 005 DST; Neckar, Lance M, 1-6 cr
15612 004 DST; Koepke, John Albert, 1-6 cr
15611 003 DST; Krinke, Rebecca Jean, 1-6 cr
15610 002 DST; Martin, Roger B, 1-6 cr
15609 001 DST; Galatowitsch, Susan M, 1-6 cr

17595 001 DST; Galatowitsch, Susan M, 1-6 cr
17594 002 DST; Koepke, John Albert, 1-6 cr
17593 003 DST; Koepke, John Albert, 1-6 cr
17592 008 DST; Miller, Kristine Frances, 1-6 cr
22779 009 DST; Hewitt, Clinton N, 1-6 cr
25520 010 DST; Musacchio, Laura R, 1-6 cr

5842 Directed Studies in Landscape Architecture and Planning
(max crs 3; 4-F only; prereq 8203, grad land arch major or instr consent)

8777 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 or per semester or summer; 10 cr total required (Plan A only))
INTERMEDIATE LATIN PROSE (prereq Grade of at least C- or S in [1002 or 1112H or 3111 or injr consent])

15475 001 LEC, 02:30pm-03:20pm MTWTh, Room TBA, TCWESTBANK; Meets with: 22490 LAT 8120; Nicholson, Oliver, 4 cr

15476 002 LEC, 10:10am-11:00am MTWTh, FolH 344; Meets with: 31208 LAT 8120; Smith, Stephen, 4 cr

22536 003 LEC, 11:15am-12:05pm MTWTh, 1701 Univ 216; Meets with: 25314 LAT 8120; Belfiore, Elizabeth S, 4 cr

3370 Advanced Undergraduate Latin: Satire (max hrs 12; 4 repeats allowed; prerequisite 3911W or equiv or injr consent)

31215 001 LEC, 12:45pm-02:00pm TTh, FolH 344; Meets with: 23437 LAT 8120; Nicholson, Oliver, 3 cr

3951W Major Project (prereq [Greek-Latin or Latin major], three 3xxx Latin courses, instr consent; dept consent; meets CLE req of Writing Intensive)

16372 001 DTS, 4 cr

3960H Honors Course: Advanced Undergraduate Latin Reading (max hrs 12; 4 repeats allowed; prerequisite 3911W or equiv or injr consent; in honors program or high ability as indicated by transcript; meets HON req of Honors)

23437 001 LEC, 12:45pm-02:00pm TTh, FolH 344; Meets with: 25314 LAT 8120, 3125 LAT 3370; Wilcox, Amanda, 3 cr

3993 Directed Studies (max hrs 12; 10 repeats allowed; prerequisite instr consent and department consent)

15500 001 DTS, 1-4 cr

5033 Epigraphy (prerequisite Graduate student or instr consent)

31225 001 LEC, 04:00pm-05:15pm TTh, FolH 114; Galia, Andrew R, 3 cr

5993 Directed Studies (max hrs 18; 10 repeats allowed; prerequisite instr consent, dept consent)

15501 001 DTS, 1-4 cr

21344 002 DTS, 1-4 cr

5994 Directed Research (max hrs 20; 5 repeats allowed; prerequisite Graduate student or instr consent)

21639 001 DRS, 1-2 cr

8120 Latin Text Course (max hrs 15; 5 repeats allowed; prerequisite 3111 or dept consent; not for students in dept of Classical and Near East Studies)

22490 001 LEC, 02:30pm-03:20pm MTWTh, Room TBA, TCWESTBANK; Meets with: 15475 LAT 3113; Nicholson, Oliver, 3 cr

31208 002 LEC, 10:10am-11:00am MTWTh, FolH 344; Meets with: 15476 LAT 3113; Smith, Stephen, 3 cr

25314 003 LEC, 11:15am-12:05pm MTW, 1701 Univ 216; Meets with: 25314 LAT 3113; Nicholson, Oliver, 3 cr

25316 004 LEC, 12:45pm-02:00pm TTh, FolH 344; Meets with: 23437 LAT 8120; Nicholson, Oliver, 3 cr

LATIN AMERICAN STUDIES (LAS)

214 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455

612/624-9007, http://lgs.cla.umn.edu

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000 or West Bank Bookstore, 100 Anderson Hall, 259 19th Ave So, Mpls, MN 55455, 612-625-3000, http://www.bookstore.umn.edu/

3019 Hispanic Cultures of Latin America (Credit will not be granted if credit has been received for: ANTH 3019; prerequisite ANTH 1003 or 1005 or instr consent; meets CLE req of International Perspective Theme; meets CLE req of Social Science Core)

32974 001 LEC, 09:45am-11:00am TTh, BlegH 235; Meets with: 29838 ANTH 3019; Gudeman, Stephen Frederick, 3 cr

3401W Early Latin America to 1825 (Credit will not be granted if credit has been received for: HIST 3401W; A-F only; meets CLE req of Historical Perspective Core; meets CLE req of International Perspective Theme; meets CLE req of Writing Intensive)  

001 L.E, 09:45am-11:00am TTh, Room TBA, TCWESTBANK; Meets with: 15484 HIST 3040W, 4 cr; Chambers, Sarah C

32176 002 DIS, 03:35pm-04:25pm M, Room TBA, TCWESTBANK; Meets with: 15485 HIST 3040W, 4 cr

32177 003 DIS, 11:15am-12:05pm T, Room TBA, TCWESTBANK; Meets with: 15486 HIST 3040W, 4 cr

32178 004 DIS, 12:20pm-01:10pm T, BlegH 110; Meets with: 15487 HIST 3040W, 4 cr

32179 005 DIS; Meets with: 21831 HIST 3401W, 1-4 cr

3402W Modern Latin America 1825 to Present (Credit will not be granted if credit has been received for: HIST 3402W; meets CLE req of Historical Perspective Core; meets CLE req of International Perspective Theme; meets CLE req of Writing Intensive)  

32181 001 LEC, 06:00pm-09:00pm Th, BlegH 205; Meets with: 19784 HIST 3402W, 4 cr

LEARNING AND ACADEMIC SKILLS (LASk)

104 Eddy Hall, 192 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455


College of Education & Human Development

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000 or West Bank Bookstore, 100 Anderson Hall, 259 19th Ave So, Mpls, MN 55455, 612-625-3000, http://www.bookstore.umn.edu/

5100 Liberal Studies Seminar (max hrs 24; 24 repeats allowed; A-F only; prerequisite dept consent)

9828 005 SEM, 06:20pm-08:00pm M, BlegH 210; Evolving Knowledge-Based Continuous Innovation in Russia and Eastern Europe - Comparative examine and assess trends and indicators associated with the arrival of Russian and Eastern European knowledge-based innovation economics, culture, education systems and societies. Eastern and Central European Countries (CEECs) have been facing enormous challenges during last 10-15 years after breaking down the colossus of the Soviet Union and its command and collectivism. The historical shifts from agricultural- and industry-based economies to information and service-based economies have created a new development: knowledge-based societies that are evolving toward continuous innovation societies. This process requires the evolution of strategically oriented cultures that value creativity and innovations on all levels, including the personal and social. Nataliya Balabanova, Meets with: 24907 IS 300, 3 cr; A-F; Evolving Innovation in Russia & Eastern Europe

9829 006 SEM, 06:20pm-08:00pm M, BlegH 210; Is Journalism Dead? Objectivity, Bias, and the Future of the News -American journalism faces a crisis of credibility. Best-selling books accuse the news media of liberal or conservative bias, while journalists and scholars question the meaning of journalistic objectivity as a concept and the validity of the methods by which journalists pursue it. Meanwhile, the audiences for traditional news media have declined sharply and newspapers are being reorganized to better meet the needs of advertisers and audiences largely uninterested in public affairs, and new media such as blogs and other Internet websites have emerged that compete with traditional news sources. As consumers? media options have expanded, mass audiences have been fragmented, raising concerns about the ability to the news media to play the role in public life envisioned by democratic theory. The fields of journalism and philosophy (specifically epistemology and ethics) are used to examine these trends and consider their implications for the future of journalism and American society. Iggers, Jeremy Frankl, 3 cr; A-F; Is Journalism Dead?

9830 007 SEM, 06:20pm-08:00pm W, BlegH 105; The Meaning of Life -From the cave paintings of pre-history, through the recorded history of Eastern and Western culture, philosophy, theology, psychology, science, literature and art, men and women have looked beyond the limits of their daily existence in attempts to grasp and define the meaning of life. This seminar studies how biological contributors to perception, emotion and human behavior is contrasted with psychological literature about the functions of the individual and collectives. Theological texts from western and eastern religions will be compared and contrasted, with a focus on the common characteristics of the varieties of religious experiences and their implication to life's deeper meaning. Review the history of philosophical inquiry on this topic, 115

This information is accurate as of: 4/22/2005
from Aristotle to Foucault. Students will be challenged to broaden their understandings of life’s meaning through both scholarly and personalized approaches to this complex and fascinating topic. 

**19831** SEM, 06:00pm-09:30pm Th, BlegH 115; 
**19832** SEM, 06:00pm-09:30pm M, BlegH 105; 
**19833** SEM, 06:20pm-08:50pm Th, BlegH 105; 
**19834** SEM, 06:20pm-08:50pm T, BlegH 115, 

**19835** 005 SEM, 06:20pm-08:50pm Th, BlegH 105; 
**19836** SEM, 06:00pm-09:30pm M, BlegH 105. 

This information is accurate as of: 4/22/2005

**Linguistics (Ling)**

**215 Nolte Center, 315 Pillsbury Drive, East Bank Campus, Minneapolis, MN, 55455**

612-624-3331, http://www.iles.umn.edu

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/

- **1701 Language and Society**
  (meets CLE req of Cultural Diversity Theme)
  - **100 L**.
    - EC, 09:05am-09:55am MWF, Room TBA, TCEASTBANK; Dowling, Bruce T
  - **21640**
    - 002 DIS, 09:05am-09:55am TTh, NCE 229; If closed, please contact the program at 612-624-3331 to get on wait list.
  - **21641**
    - 002 DIS, 09:05am-09:55am TTh, NCE 229; If closed, please contact the program at 612-624-3331 to get on wait list.
  - **24872**
    - 004 DIS, 10:00am-11:00am Th, NCE 229; If closed, please contact the program at 612-624-3331 to get on wait list.
  - **21724**
    - 0590 LET, 06:10pm-09:00pm T, CivE 212, Jawahre, Indira Y, 4 cr

- **3001 Introduction to Linguistics**
  (Credit will not be granted if credit has been received for: LING 3001H, LING 5001; meets CLE req of Social Science Core) 
  - **100 L**.
    - EC, 10:00am-11:00am MWF, FolH 306; Soh, Hoon Ling
  - **16295**
    - 002 DIS, 10:00am-11:00am T, PeikH 335, 4 cr
  - **16296**
    - 003 DIS, 10:00am-11:00am T, FolH 14, 4 cr
  - **16297**
    - 004 DIS, 10:00am-11:00am T, FolH 14, 4 cr
  - **16298**
    - 0590 LET, 06:10pm-09:05pm W, CivE 212; 1 seat reserved for eligible PSEO, non-admitted student. Meet with: 18954 LING 5001, 4 cr

- **3001H Honors: Introduction to Linguistics**
  (Credit will not be granted if credit has been received for: LING 3001, LING 5001; prereq honors candidate or inst consent; meets CLE req of Social Science Core; meets HON req of Honors)
  - **100 L**.
    - EC, 10:00am-11:00am MWF, CivE 213; Gundel, Jeanette K
  - **17356**
    - 002 DIS, 10:00am-11:00am T, PeikH 375; Meets with: 18953 LING 5001, 4 cr

- **3051H Honors: Thesis**
  (prereq Linguistics honors candidate, inst consent; meets CLE req of Honors)
  - **18972**
    - 001 DRS, 3 cr

- **3052H Honors: Thesis**
  (prereq 3051; meets HON req of Honors)
  - **18973**
    - 001 DRS, 3 cr

- **310W Languages of the World**
  (prereq 3001 or 3011 or inst consent; meets CLE req of International Perspetive Theme; meets CLE req of Social Science Core; meets CLE req of Writing Intensive)
  - **16301**
    - 001 LEC, 02:30pm-03:50pm TTh, FolH 14; Stenson, Nancy, 3 cr

- **4002 Linguistic Analysis**
  (prereq 3001 or 3001H or 5001 or inst consent)
  - **31963**
    - 001 LEC, 12:45pm-02:00pm TTh, Room TBA, TCEASTBANK; Kac, Michael B, 3 cr

- **4901W Senior Project**
  (S-N only; prereq Ling major, inst consent; meets CLE req of Writing Intensive)
  - **16489**
    - 001 DRS, 1 cr

- **5001 Introduction to Linguistics**
  (Credit will not be granted if credit has been received for: LING 3001, LING 3001H; prereq grade or inst consent)
  - **1001 L**.
    - EC, 10:10am-11:00am MWF, CivE 212; Gundel, Jann E
  - **18593**
    - 002 DIS, 10:10am-11:00am T, PeikH 375; Meets with: 17536 LING 3001H, 4 cr
  - **18594**
    - 0590 LET, 06:10pm-09:05pm W, CivE 212; Meets with: 16298 LING 3001, 4 cr

- **5005 Applications of Linguistics**
  (prereq 3001 or 3011 or 5001 or inst consent)
  - **31591**
    - 001 LEC, 04:00pm-05:15pm MW, NCCE 229; Downing, Bruce T, 3 cr

- **5105 Field Methods in Linguistics I**
  (pre req 5201, 5302 or 5001 or inst consent)
  - **16300**
    - 001 LEC, 01:25pm-03:20pm MW, NCCE 229; Stenson, Nancy J, 3 cr

- **5202 Syntax II**
  - **19822**
    - 001 LEC, 04:00pm-06:30pm Th, FolH 419; Soh, Hoon Ling, 3 cr

- **5461 Conversation Analysis**
  (Credit will not be granted if credit has been received for: COMM 5461; prereq 3001 or 3001H or 5001 or inst consent)
  - **26745**
    - 001 LEC, 11:10am-01:30pm Th, CivE 213; Sheldon, Amy, 3 cr

- **5505 Introduction to Second Language Acquisition**
  (prereq 3001 or 3011 or 5001, a course on phonological and grammatical structure of a language)
  - **16487**
    - 001 LEC, 09:45am-11:00am Th, CivE 212; Stenson, Nancy J, 3 cr

- **5900 Topics in Linguistics**
  (max crs 12; 3 repeats allowed)
  - **26615**
    - 001 LEC, 02:30pm-03:45pm TTh, Norridf 4; Topics pre req - LING 3001 or 3001H or 3001; Jpn 302; or inst consent; Szatrowski, Polly Ellen, 3 cr

- **31964**
  - 002 LEC, 06:00pm-08:00pm T, LindH 229; Meets with: 31427 ENGL 5790; Eacure, Jacqueline, 1-4 cr

- **5993 Directed Study**
  (max crs 10; 10 repeats allowed; prereq inst consent, dept consent, college consent)
  - **16488**
    - 001 DTS, Dowling, Bruce T, 1-3 cr
  - **25987**
    - 003 DTS, Szatrowski, Polly Ellen, 3 cr

- **3833 FTE: Master's**
  (NGA; prereq Master's student, adviser and OGS consent)
  - **20601**
    - 001 THE, 1 cr

- **4844 FTE: Doctoral**
  (NGA; prereq Doctoral student, adviser and OGS consent)
  - **20256**
    - 001 THE, 1 cr

- **8666 Doctoral Pre-Thesis Credits**
  (max crs 6; 4 repeats allowed; NGA; pre req
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**LOGISTICS MANAGEMENT (LM)**

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**MANAGEMENT (Mgmt)**

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This information is accurate as of: 4/22/2005
MANAGEMENT OF TECHNOLOGY (MOT)
510 WOB, 1300 S 2nd Street, West Bank Campus, Minneapolis, MN, 55455
612/624-5747, http://www.ctdl.umn.edu

Institute of Technology

Course materials are available at East Bank Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, http://www.bookstore.umn.edu/

8111 Marketing Management in Technology-Based Organizations
21795 001 LEC, Room TBA, 09/09/05-12/14/05; Roering, Kenneth J, 2 cr

8112 Management Accounting
21306 001 LEC, Room TBA, 09/09/05-12/14/05; Joyce, Edward J, 2 cr

8114 Technology, Fundamental Structure (prereq Grad MOT major)
21305 001 LEC, 09/09/05-10/24/05; Carlson, Lockwood, 1 cr

8133 Communication in a Technical Environment (A-F only; prereq Grad MOT major)
21307 001 LEC, Wilbers, Stephen 2 cr

8214 Understanding and Forecasting Technology Development (A-F only; prereq Grad MOT major)
21303 001 LEC, 2 cr

8224 Pivotal Technologies in the New Millennium (max crs 2.5; A-F only; prereq Grad MOT major)
21301 001 LEC, 08:00am-04:30pm FS, Room TBA, OFFC/MCPT, 09/09/05-12/24/05; 200 Oak Ridge Conf Ctr; Lenz, James, 2 cr

8231 Managing Information Resources in a Technology-Based Organization (A-F only; prereq Grad MOT major)

MANUFACTURING SYSTEMS (MS)
510 WOB, 1300 S 2nd Street, West Bank Campus, Minneapolis, MN, 55455
612/624-5747, http://www.ctdl.umn.edu

Institute of Technology

5101 Manufacturing Strategy and Operations Management (A-F only; prereq Grad MS major)
19495 001 LEC, Gupta, Dowkar, 3 cr

5102 Manufacturing Processes (A-F only; prereq Grad MS major)
22366 001 LEC, Benjamin, Sair, 3 cr

5103 Quality Engineering (A-F only; prereq Grad MS major)
21154 001 LEC, 3 cr

5104 Design of Manufacturing Systems (A-F only; prereq Grad MS major)
22373 001 LEC, Room TBA, OFFC/MCPT, 09/09/05-12/24/05; 200 Oak Ridge Conf Ctr; Lenz, James, 2 cr

5105 Financial Decision Making in Manufacturing (max crs 3; A-F only; prereq Grad MS)
21157 001 LEC, Reid, Kenneth J, Smith, Karl Aldrich, 2 cr

5106 Intelligent Decision Support Systems
### University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005

**This information is accurate as of: 4/22/2005**

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<td>Meyers-Levy, Joan</td>
<td>MW</td>
<td>11:50am-01:30pm</td>
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<td>24440</td>
<td>Marketing and Distribution Channels (A-F only; prereq 3001)</td>
<td>Ahluwalia, Rohini</td>
<td>TTh</td>
<td>09:55am-11:35am</td>
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<td>17499</td>
<td>Pricing Strategy</td>
<td>John, George</td>
<td>MWF</td>
<td>09:55am-11:35am</td>
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<td>25828</td>
<td>Strategic Marketing</td>
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<td>09:55am-11:35am</td>
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MATERIALS SCIENCE (MatS) 151 Amundson Hall, 421 Washington Ave SE, East Bank Campus, Minneapolis, MN, 55455 612-625-1313, http://www.cems.umn.edu/Institute of Technology

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/

19450 001 LEC, 11:15am-12:05pm MW, Coffman 101; Meets with: 19451 MATS 2001; Shores, David A; Schott, Jeffrey H, 1-4 cr

14405 001 LAB, 08:00am-08:50am M, Carlson B80; Shores, David A; Schott, Jeffrey H, 3-4 cr

14406 004 LAB, 02:30pm-03:30pm Th, Carlson B30; Shores, David A; Schott, Jeffrey H, 3-4 cr

14407 005 LAB, 02:30pm-03:30pm Th, AmundH B30; Shores, David A; Schott, Jeffrey H, 3-4 cr

20673 006 LAB, 02:30pm-03:50pm F, AmundH B30; Shores, David A; Schott, Jeffrey H, 3-4 cr

3011 Introduction to Materials Science and Engineering (prereq: Chem 1021, Math 1272 or 1372, Phys 1302)

001 LEC, 02:00pm-03:20pm MW, AmundH B75 14442 002 DIS, 08:00am-09:10am Th, AmundH 116; Bates, Frank S; Cusser, Jeff, 3-4 cr

14443 003 DIS, 10:10am-11:00am Th, AkerH 211; Bates, Frank S; Cusser, Jeff, 3-4 cr

14444 004 DIS, 10:10am-11:00am Th, AkerH 215; Bates, Frank S; Cusser, Jeff, 3-4 cr

14445 005 DIS, 12:20pm-01:10pm Th, AmundH 156; Bates, Frank S; Cusser, Jeff, 3-4 cr

29654 006 DIS, 09:05am-09:55am Th, AmundH 124; Cusser, Jeff, 2 cr

3012 Metals and Alloys (prereq: MatS or ChEn upper div) or instr consent)

21557 001 LEC, 02:30pm-03:20pm MW, AmundH 162; meets CLE req of Writing Intensive, 3 cr

3041 Industrial Assignment I (Credit will not be granted if credit has been received for: CHEN 3041; A-F only; prereq MatS upper div, completion of required courses in MatS program through fall sem of 3rd yr; GPA of at least 2.80, regis in co-op program)

21558 001 IAS, 2 cr

3801 Structural Characterization Lab (A-F only; prereq: [3011, MatS or ChEn upper div] or instr consent)

001 LEC, 08:00am-08:50am T, AmundH 156; Palmstrom, Chris J

21560 002 LAB, 09:05am-12:05pm T, AmundH B25; Palmstrom, Chris J, 2 cr

21561 003 LAB, 09:05am-12:05pm Th, AmundH B30; Palmstrom, Chris J, 2 cr

4001 Thermodynamics of Materials (prereq MatS upper div)

001 LEC, 09:00am-10:10am MW, AmundH 162 14453 002 DIS, 02:30pm-03:20pm Th, AkerH 313; Chelikowsky, James R, 4 cr

4041 Industrial Assignment II (Credit will not be granted if credit has been received for: CHEN 4041; A-F only; prereq 3041, completion of required courses in MatS program through fall sem of 4th yr, GPA of at least 2.80, registration in co-op program)

21362 001 IAS, Shores, David A, 2 cr

4212 Ceramics (prereq: [3011, MatS or ChEn] or instr consent)

14477 001 LEC, 03:05pm-04:25pm MW, AmundH 240, 3 cr

4214 Polymers (prereq: [3011, MatS or ChEn] or instr consent)

14478 001 LEC, 11:15am-12:05pm MW, EECSci 3-320; Meets with: 21544 CHEM 4214; Macosko, Chris J

4221 Materials Design and Performance (prereq MatS 3012 or instr consent)

001 LEC, 10:10am-11:00am MW, AmundH 156; Gerberich, William W

14557 002 LAB, 09:05am-11:00am T, AmundH B30; Gerberich, William W, 4 cr

14558 003 LAB, 09:05am-11:00am Th, AmundH B30; Gerberich, William W, 4 cr

4401 Senior Design Thesis I (A-F only; prereq credit will not be granted if credit received for: 4400; MatS senior, dept consent, GPA of at least 3.00, project approval by faculty adviser)

23419 001 DIS, 2 cr

4591 Independent Study in Materials

This information is accurate as of: 4/22/2005
121
credit has been received for: 1155; credit will not be granted if credit received for: MATH 1155; meets CLE req of Mathematical Thinking Core;
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<td>DIS, 02:35pm-04:25pm TTh, VinH 211, 4 cr</td>
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<td>034 D</td>
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<td>2238</td>
<td>Sequences, Series, and Foundations</td>
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<td>2374</td>
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<td>20356</td>
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<td>034 D</td>
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This information is accurate as of: 4/22/2005

123
This information is accurate as of: 4/22/2005
Mathematics and Pedagogy for Elementary Teachers I
(A.F; prereq Elementary FOE student or instr consent)

Algebraic Structures in School Mathematics
(prereq Tchg exper or instr consent)

Introduction to Engineering
(A-F only; prereq IT lower divider)

Topics in Mathematics Education
(max crs 12; 4 repeats allowed; prereq instr consent)

Directed Reading
(max crs 24; 4 repeats allowed; S-N only; prereq instr consent)

Directed Study
(max crs 24; 4 repeats allowed; S-N only; prereq instr consent)

Independent Study
(max crs 3; S-N only; prereq Math ed PhD student)

Directed Studies in Mathematics Education
(max crs 3; S-N only; prereq Math ed MEd student, instr consent)

Theory and Classical Research in Mathematics Education
(prereq Grad math educ major)

Seminar: Mathematics Education (max crs 3; prereq Math PhD student)

Mathematics Education (max crs 12; 12 repeats allowed; prereq MA or PhD educ major with math educ concentration)

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu.

An IT computer fee is assessed at the time of registration for the following courses: ME 2011, 3221, 3281, 3232, 3234, 4031W, 4054W, 4055W, 5221, 5241, 5243, 5286, 5341, 5344, 5348, and 5351. See http://onestop.umn.edu/Finances/tuitionrates/2005

This information is accurate as of: 4/22/2005
**MEDICAL TECHNOLOGY**

**MED (MedT)**

15-170 Phillips Wagensteen Bldg (Box 609 Mayo), 516 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455

612/625-9490, http://medtech.umn.edu

**Medical School**

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

1010 Orientation in Medical Technology (S-N only, prereq dept consent)

17993 001 LEC, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK; Solberg, Patricia L, 1 cr

17993 002 LEC, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK; Solberg, Patricia L, 1 cr

17993 003 LEC, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK; Solberg, Patricia L, 1 cr

4082 Applied Clinical Chemistry (S-N only, prereq 4310, 4311, 4320, 4321, enrolled MedT student, instr consent)

17330 001 PRC; Pat Solberg - Coordinator; Hospital clinical schedules; No U of M room needed; Solberg, Patricia L, 3 cr

4085 Applied Clinical Hematology (S-N only, prereq 4251, 4252, 4253, enrolled MedT student, instr consent)

17331 001 PRC; Hospital/Clinical schedule arranged by Cheryl Swinehart. No U of M room needed.; 2 cr

4086 Applied Clinical Immunohematology (S-N only, prereq 4064, 4065, enrolled MedT student, instr consent)

17332 001 PRC; Pat Solberg - Coordinator; Hospital/clinical schedules. No U of M room needed.; Tudor, Kim-Sue R, 2 cr

4088 Applied Diagnostic Microbiology (S-N only, prereq 4100, 4102, enrolled MedT student, instr consent)

17333 001 PRC; Pat Solberg - Coordinator; Hospital/clinical schedule. No U of M room needed.; Wells, Carol Lee, 2 cr

4089 Specialty Rotation (S-N only, prereq Completion of MedT preclinical professional courses, enrolled MedT student, instr consent)

17334 001 PRC; Pat Solberg - Coordinator; Hospital/clinical schedules arranged by coordinator. No U of M room needed.; Wells, Carol Lee, 1 cr

4090 Special Laboratory Methods (Credit will not be granted if credit has been received for: CLS 5090; prereq instr consent)

17993 001 LAB; Wells, Carol Lee, 1-2 cr

4092 Honors Program: Laboratory Methods (prereq instr consent)

17994 001 LAB; Wells, Carol Lee, 3 cr

**MEDICINE**

**MED (MedC)**

8-101 Weaver-Densford Hall, 308 Harvard Street SE, East Bank Campus, Minneapolis, MN, 55455


**College of Pharmacy**

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

7201 Clinical Medicine (max crs 15; NGA)

17080 001 LEC, 08:00am-05:00pm MTWThF. Room TBA, 09/06/05-12/14/05; Ravdin, Jonathan Isaac, 1-13 cr

7202 Clinical Conference (NGA)

17081 001 LEC, 08:00am-05:00pm MTWThF. Room TBA, 09/06/05-12/14/05; Ravdin, Jonathan Isaac, 1 cr

7203 Clinical Radiology Conference (NGA)

17082 001 LEC, 07:00am-05:00pm MTWThF. Room TBA, 09/06/05-12/14/05; Ravdin, Jonathan Isaac, 1 cr

7204 Pathology Conference (NGA)

25017 001 LEC, 09/06/05-12/14/05, 1 cr

7500 Medicine Externship I (HIV)

16527 001 CLN, 08:30am-11:00am F, Room TBA, TCEASTBANK, 08/19/05-08/19/05, 12:00pm-03:00pm F, Room TBA, TCEASTBANK, 08/19/05-08/19/05, 08:30am-11:30am F, Room (A-F only; prereq MedC grad student or instr consent)
Fall 2005

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN 55108, 612-624-9200, www.bookstore.umn.edu/

Medical School

MIDDLE EASTERN LANGUAGES AND CULTURES (MELC)
214 Nolte Center, 315 Pillsbury Drive, East Bank Campus, Minneapolis, MN, 55455
612/624-3331

College of Liberal Arts

MILITARY SCIENCE (Mil)
110 Armory, 15 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-7300,

http://www1.umn.edu/arotc

Executive Vice President

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/
MODERN GREEK (MdGk)
325 Social Science Bldg, 267-19th Ave So, West Bank Campus, Minneapolis, MN, 55455
612/624-4526, http://cnes cla.umn.edu

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/college/liberal_arts/

MORTUARY SCIENCE (Mort)
A-275 Mayo (Box 740), 420 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-6464, http://www.med.umn.edu

Medical School

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

MOLECULAR CELLULAR DEVELOPMENTAL BIOL AND GENETICS (MCDG)
250 Biological Sciences, 1445 Gortner Ave, St Paul Campus, St Paul, MN, 55108
612/624-7470,
MUSEUM STUDIES (MSI)
300 Bell Museum, 10 Church Street SE, East Bank Campus, Minneapolis, MN, 55455

Bell Museum of Natural History
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/MUSEUM

5011 Museum History and Philosophy
(A-F only; prereq instr consent)
1036 001 SEM, 03:55pm-05:30pm TTh, BellHu 149; Several times during the semester the class meets off campus at one of several museums. No transportation is provided.
1246 004 SEM, 03:55pm-05:30pm TTh, BellHu 149; Several times during the semester the class meets off campus at one of several museums. No transportation is provided.

MUSIC (Mus)
100 Ferguson Hall, 2106 4th Street S, West Bank Campus, Minneapolis, MN, 55455

College of Liberal Arts
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/MUSIC

501 Fundamentals of Music for Music Majors
(NGA; prereq Music major or instr consent)
17046 001 LEC, 07:00am-09:00am MWF, FergH 123, 2 cr
15276 001 DIS, 12:20pm-01:10pm TTh, FergH 265, 2 cr
951 Senior Recital
(A-F only; prereq Music major, concurrent enrollment in applied music, instr consent, dept consent)
15277 001 DIS, 04:40pm-05:30pm TTh, FergH 265, 2 cr

This information is accurate as of: 4/22/2005

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<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time/Day</th>
<th>Location</th>
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<td>3350</td>
<td>Jazz Combo</td>
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<td>(max crs 8; 8 repeats allowed; A-F only; prereq Audition, instr consent)</td>
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<td>33163</td>
<td>013 REH; Lovelace, Timothy, 1 cr</td>
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<td>29884</td>
<td>010 REH; Piano Ensemble; Artymiw, Lydia, 1 cr</td>
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<td>28574</td>
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<td>3501</td>
<td>Theory and Analysis of Tonal Music</td>
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<td>(A-F only; prereq 1501, 1502, dept consent)</td>
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<td>30370</td>
<td>001 REH; Women's Athletics Band, Dem, Timothy W, 1 cr</td>
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<td>33380</td>
<td>Gospel Choir</td>
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<td>26913</td>
<td>001 REH, 06:00pm-08:00pm M, AndH 310; Meets with: 26919 MUS 5380; Moore, Sanford Lajunia, 1 cr</td>
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<td>3410</td>
<td>University Wind Bands</td>
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<td>(max crs 14; 14 repeats allowed; A-F only; prereq Audition, instr consent)</td>
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<td>15534</td>
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<td>3440</td>
<td>Chamber Ensemble</td>
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<td>31084</td>
<td>001 REH; Meets with: 31085 MUS 5460, 1 cr</td>
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<td>3480</td>
<td>Marching Band</td>
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<td>(max crs 4; 4 repeats allowed; A-F only; prereq instr consent)</td>
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<td>3490</td>
<td>Athletics Bands</td>
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This information is accurate as of: 4/22/2005
5423 Suzuki Pedagogy Practicum  
(A-F only; prereq [(concurrent enrollment 5424 or concurrent enrollment 5425), grad music stud 4 [or] instr consent, grad consent])

5424 Advanced Suzuki Violin Pedagogy I  
(A-F only; prereq 5423 or instr consent)

5430 New Music Ensemble  
(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)

5440 Chamber Ensemble  
(max crs 8; 8 repeats allowed; A-F only; prereq audition, instr consent)

5450 Ensemble for the Performance of Early Music  
(c900-1750, 1 cr)

5460 Ensemble for the Performance of Early Music, c900-1750  
(max crs 8; 8 repeats allowed; A-F)

5470 Woodwind Chamber Ensemble  
(max crs 8; 8 repeats allowed; A-F only; prereq audition, instr consent)

5480 University Brass Choir  
(max crs 8; 8 repeats allowed; prereq audition, instr consent)

5485 Transcription for Winds  
(prereq 3502 or instr consent)

5490 Percussion Ensemble  
(max crs 10; 10 repeats allowed; A-F only; prereq instr consent)

5491 Electronic Music: History, Literature, Principles  
(A-F only; prereq instr consent, at least jr)  
EC, 01:25pm-02:00pm T, FergH 215; Geers, Donna Cardamo, 3 cr

5492 Topics in Music History  
(max crs 15; 15 repeats allowed)

5493 Directed Studies  
(max crs 12; 12 repeats allowed; prereq instr consent, dept consent, college consent)

5494 Performance in Choral Conducting  
(A-F only; prereq instr consent)

5495 Woodwind Literature and Pedagogy I  
(A-F only; prereq Music major or instr consent)

5496 University Brass Choir  
(max crs 8; 8 repeats allowed; prereq audition, instr consent)

5497 Transcription for Winds  
(prereq 3502 or instr consent)

5498 Percussion Ensemble  
(max crs 10; 10 repeats allowed; A-F only; prereq instr consent)

5499 Woodwind Literature and Pedagogy II  
(A-F only; prereq Music major or instr consent)

5500 Class Composition  
(max crs 8; 8 repeats allowed; A-F only; prereq 3502 or instr consent)

5501 Orchestration I  
(A-F only; prereq 3502)

5502 Topics in Opera History  
(max crs 8; A-F only; prereq grad music major or or inst consent)

5503 Topics in Music  
(max crs 15; 15 repeats allowed)

5504 Performance in Choral Conducting  
(A-F only; prereq Grad student with major in vocal performance or in accompanying or in piano, instr consent)

5505 Woodwind Chamber Ensemble  
(max crs 8; 8 repeats allowed; A-F only; prereq audition, instr consent)

5506 University Brass Choir  
(max crs 8; 8 repeats allowed; prereq audition, instr consent)

5507 Transcription for Winds  
(prereq 3502 or instr consent)

5508 Percussion Ensemble  
(max crs 10; 10 repeats allowed; A-F only; prereq instr consent)

5509 Woodwind Literature and Pedagogy II  
(A-F only; prereq Music major or instr consent)

5510 Orchestration I  
(A-F only; prereq 3502)

5511 Resources for Music Research  
(A-F only; prereq 3603)

5512 Topics in Opera History  
(max crs 8; A-F only; prereq grad music major or or inst consent)

5513 Directed Studies  
(max crs 12; 12 repeats allowed; prereq instr consent, dept consent, college consent)

5514 Performance in Choral Conducting  
(A-F only; prereq instr consent)

5515 Woodwind Literature and Pedagogy II  
(A-F only; prereq Music major or instr consent)

5516 University Brass Choir  
(max crs 8; 8 repeats allowed; prereq audition, instr consent)

5517 Transcription for Winds  
(prereq 3502 or instr consent)

5518 Percussion Ensemble  
(max crs 10; 10 repeats allowed; A-F only; prereq instr consent)
1101 Piano—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
14458 001 STU; Weyer, Dean W, 2 cr

1103 Organ—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
14643 001 STU; Billmeyer, Dean W, 2 cr

1104 Voice—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
14644 001 STU, 2 cr

1105 Violin—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
14646 001 STU, 2 cr

1106 Viola—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20970 002 STU, 2 cr

1107 Cello—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20979 002 STU, 2 cr

1108 Double Bass—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20815 002 STU, 2 cr

1109 Flute—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20825 002 STU, 2 cr

1111 Oboe—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20826 002 STU, 2 cr

1112 Clarinet—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
25847 002 STU, 2 cr

1113 Saxophone—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20835 002 STU, 2 cr

1114 Bassoon—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20836 002 STU, 2 cr

1115 French Horn—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20837 002 STU, 2 cr

1116 Trumpet—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20838 002 STU, 2 cr

1117 Trombone—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20839 002 STU, 2 cr

1118 Euphonium—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20840 002 STU, 2 cr

1119 Tuba—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20841 002 STU, 2 cr

1120 French Horn—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20842 002 STU, 2 cr

1121 Percussion—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20843 002 STU, 2 cr

1122 Violin—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20844 002 STU, 2 cr

1123 Guitar—Elective  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20845 002 STU, 2 cr

1124 Clarinet—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20846 002 STU, 2 cr

1125 French Horn—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20847 002 STU, 2 cr

1126 Trumpet—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20848 002 STU, 2 cr

1127 Cello—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20849 002 STU, 2 cr

1128 Double Bass—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20850 002 STU, 2 cr

1129 Violin—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20851 002 STU, 2 cr

1130 Tuba—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20852 002 STU, 2 cr

1131 Bassoon—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20853 002 STU, 2 cr

1134 Clarinet—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20854 002 STU, 2 cr

1135 French Horn—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20855 002 STU, 2 cr

1136 Trumpet—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20856 002 STU, 2 cr

1137 Trombone—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20857 002 STU, 2 cr

1138 Euphonium—Major  
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)  
20858 002 STU, 2 cr
This information is accurate as of: 4/22/2005

1602 STU, 02:35pm-04:25pm M, Room TBA;
1505 Violin-Major Beyond Requirements (max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
16026 STU, 03:35pm-05:00pm Th, Room TBA;
Bjork, Mark P, 2-4 cr
1506 Viola-Major Beyond Requirements (max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
16027 STU, 03:35pm-05:00pm Th, Room TBA;
Kokol, Korey Bernard, 2-4 cr
1507 Cello-Major Beyond Requirements (max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
16028 STU, 03:35pm-05:00pm Th, Room TBA;
Remenikova, Tanya, 2-4 cr
1508 Double Bass-Major Beyond Requirements (max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
16029 STU, 03:35pm-05:55pm M, Room TBA;
Billmeyer, Dean W, 2-4 cr
16030 STU, 03:35pm-05:55pm W, Room TBA;
TCWESTBANK, Brown, Christopher Craig, 2-4 cr
1509 Flute-Major Beyond Requirements (max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
16031 STU, 03:35pm-05:55pm M, Room TBA;
Billmeyer, Dean W, 2-4 cr
1510 Clarinet-Major Beyond Requirements (max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
16032 STU, 03:35pm-05:55pm M, Room TBA;
Billmeyer, Dean W, 2-4 cr
16033 STU, 03:35pm-05:55pm W, Room TBA;
TCWESTBANK, Anderson, John Edward, 2-4 cr
1511 Oboe-Major Beyond Requirements (max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
16034 STU, 03:35pm-05:55pm M, Room TBA;
TCWESTBANK, Davis, Immanuel, 2-4 cr
1512 Clarinet-Major Beyond Requirements (max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
16035 STU, 03:35pm-05:55pm M, Room TBA;
TCWESTBANK, Grivna, Brian A, 2-4 cr
1513 Saxophone-Major Beyond Requirements (max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
16036 STU, 03:35pm-05:55pm M, Room TBA;
TCWESTBANK, Remenikova, Tanya, 2-4 cr
1514 Bassoon-Major Beyond Requirements (max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
16037 STU, 03:35pm-05:55pm M, Room TBA;
TCWESTBANK, Grivna, Brian A, 2-4 cr
1515 French Horn-Major Beyond Requirements (max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
16038 STU, 03:35pm-05:55pm M, Room TBA;
TCWESTBANK, Ullery, Charles G, 2-4 cr
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2313 TCWESTBANK; Har, Burt T, 2-4 cr
Saxophone-Performance Major
(max crs 8; 4 repeats allowed; A-F only; 
prereq Audition, dept consent)

21066 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Marko, Shadley W, 2-4 cr
21067 002 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Le, Brian A, 2-4 cr
21068 003 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Kneeley, Eugene E, 2-4 cr
21069 004 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Henning, Daniel W, 2-4 cr
21070 005 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Matejewski, Gaylord W, 2-4 cr

2314 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Zaro, Wendolyn, 2-4 cr
21071 002 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
21072 003 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Tannhauser, Sarah M, 2-4 cr
21073 004 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Tannhauser, Read, 2-4 cr
21074 005 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Kieger, Barbara G, 2-4 cr
21075 006 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Tilburg, James A, 2-4 cr
21076 007 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; O'Reilly, Sally P, 2-4 cr
21077 008 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; O'Reilly, Sally P, 2-4 cr
21078 009 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Wander, Herbert, 2-4 cr
21079 010 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Ashworth, Thomas, 2-4 cr
21080 011 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Foster, Mark D, 2-4 cr
21081 012 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Johnson, Robert, 2-4 cr
21082 013 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Jackson, Kevin, 2-4 cr
21083 014 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Kane, Alex, 2-4 cr
21084 015 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Billmeyer, Dean W, 2-4 cr
21085 016 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Rousseau, Eugene E, 2-4 cr

2316 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2317 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2318 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2319 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2320 001 STU; 03:35pm-05:35pm M, Room TBA, 
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2321 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2322 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2323 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2324 001 STU; 03:35pm-05:35pm M, Room TBA, 
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2325 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2326 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2327 001 STU; 03:35pm-05:35pm M, Room TBA, 
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2328 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2329 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2330 001 STU; 03:35pm-05:35pm M, Room TBA, 
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2331 001 STU; 03:35pm-05:35pm M, Room TBA, 
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2332 001 STU; 03:35pm-05:35pm M, Room TBA, 
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2335 001 STU; 03:35pm-05:35pm M, Room TBA, 
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2336 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2337 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2338 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr
2339 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Weller, Lawrence E, 2-4 cr

2309 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Adamson, Julia A, 2-4 cr
2310 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Adamson, Julia A, 2-4 cr
2311 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Adamson, Julia A, 2-4 cr
2312 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Adamson, Julia A, 2-4 cr
2313 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Adamson, Julia A, 2-4 cr
2314 001 STU; 03:35pm-05:35pm M, Room TBA, 
TCWESTBANK; Adamson, Julia A, 2-4 cr
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TCWESTBANK; Adamson, Julia A, 2-4 cr
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<td>(max crs 12; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
<td></td>
</tr>
<tr>
<td>5405</td>
<td>Violin--Secondary</td>
<td>(max crs 12; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
<td></td>
</tr>
<tr>
<td>5404</td>
<td>Violin--Major</td>
<td>(max crs 8; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
<td></td>
</tr>
<tr>
<td>5403</td>
<td>Baritone--Secondary</td>
<td>(max crs 12; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
<td></td>
</tr>
<tr>
<td>5402</td>
<td>Bassoon--Secondary</td>
<td>(max crs 12; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
<td></td>
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<tr>
<td>5401</td>
<td>Trombone--Secondary</td>
<td>(max crs 12; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
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<tr>
<td>5400</td>
<td>Double Bass--Major</td>
<td>(max crs 8; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
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<tr>
<td>5399</td>
<td>French Horn--Major</td>
<td>(max crs 8; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
<td></td>
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<tr>
<td>5398</td>
<td>Trumpet--Major</td>
<td>(max crs 8; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
<td></td>
</tr>
<tr>
<td>5397</td>
<td>Oboe--Major</td>
<td>(max crs 8; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
<td></td>
</tr>
<tr>
<td>5396</td>
<td>Violin--Major</td>
<td>(max crs 8; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
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<tr>
<td>5395</td>
<td>Baritone--Major</td>
<td>(max crs 8; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
<td></td>
</tr>
<tr>
<td>5394</td>
<td>Bassoon--Major</td>
<td>(max crs 8; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
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</tr>
<tr>
<td>5393</td>
<td>Oboe--Major</td>
<td>(max crs 8; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
<td></td>
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<tr>
<td>5392</td>
<td>Clarinet--Major</td>
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<td>21948</td>
<td>2-4 cr</td>
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<tr>
<td>5391</td>
<td>Saxophone--Major</td>
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<td>21948</td>
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<tr>
<td>5390</td>
<td>Flute--Major</td>
<td>(max crs 8; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
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<td>2-4 cr</td>
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<tr>
<td>5389</td>
<td>Cello--Major</td>
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<td>21948</td>
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<td>5388</td>
<td>Bassoon--Major</td>
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<td>2-4 cr</td>
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<tr>
<td>5387</td>
<td>Oboe--Major</td>
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<td>21948</td>
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<tr>
<td>5386</td>
<td>Clarinet--Major</td>
<td>(max crs 8; 4 repeats allowed; A-F only; prereq Audition, dept consent)</td>
<td>21948</td>
<td>2-4 cr</td>
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<tr>
<td>5385</td>
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<td>21948</td>
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<tr>
<td>5384</td>
<td>Violin--Major</td>
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<td>21948</td>
<td>2-4 cr</td>
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<td>5383</td>
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<tr>
<td>5382</td>
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<td>5380</td>
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<td>5379</td>
<td>Cello--Major</td>
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<td>5378</td>
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<tr>
<td>5377</td>
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<tr>
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<tr>
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<tr>
<td>5370</td>
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<tr>
<td>5369</td>
<td>Bassoon--Major</td>
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<td>5368</td>
<td>Cello--Major</td>
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<tr>
<td>5365</td>
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<td>2-4 cr</td>
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</table>
University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005

This information is accurate as of: 4/22/2005

8317 Trombone–Major
(max cs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

8318 Euphonium–Major
(max cs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

8321 Percussion–Major
(max cs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

8322 Harp–Major
(max cs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

8501 Piano: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8502 Organ: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8503 Voice: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8504 Violin: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8505 Double Bass: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8506 Flute: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8507 Cello: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8508 Oboe: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8509 Clarinet: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8510 Saxophone: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8511 Clarinet: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8512 Clarinet: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8513 Guitar: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8514 Bassoon: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8515 French horn: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8516 Trumpet: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8517 Tubist: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8518 Euphonium: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8519 Tubist: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8520 Guitar: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8521 Percussion: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8522 Harp: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)

8524 Accompanying/Coaching: Beyond Requirement
(max cs 8; 4 repeats allowed; A-F only; prereq instr consent)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
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<tr>
<td>29917</td>
<td>DIS, 04:30pm-07:00pm M</td>
<td>FergH 107</td>
<td>3 cr</td>
<td>04:30pm-07:00pm</td>
<td>FergH 107</td>
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<tr>
<td>5669</td>
<td>Psychology of Music</td>
<td>A-F only; prereq Psy 1001 or Psy 3604</td>
<td>3 cr</td>
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<td>5750</td>
<td>Topics in Music Education</td>
<td>A-F only; prereq Grad student in music</td>
<td>3 cr</td>
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<td>5991</td>
<td>Independent Study</td>
<td>A-F only; prereq Grad student in music</td>
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<td>8888</td>
<td>Thesis Credit: Doctoral</td>
<td>A-F only; prereq Grad student in music</td>
<td>3 cr</td>
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</table>

**University of Minnesota – Class Schedule for Twin Cities Campus**

**Fall 2005**

This information is accurate as of: 4/22/2005

**NAVAL SCIENCE (Nav)**

203 Armorey, 15 Church Street SE, East Bank Campus, Minneapolis, MN, 55455

612/625-6677, http://www1.umn.edu/nrotc

Executive Vice President

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6600, www.bookstore.umn.edu/

1000 Professional Training in Naval Science (S-N only; prereq enrolled in NROTC)

17673 01 LAB, 06:15am-08:50am T, Armory 202;

17674 01 LEC, 06:15am-08:50am T, Armory 202;

17675 01 LEC, 06:15am-08:50am T, Armory 202;

2000 Professional Training in Naval Science (S-N only; prereq enrolled in NROTC)

17676 01 LAB, 06:15am-08:50am T, Armory 202;

2202 Ship Systems II: Science and Technology in Naval Weapons Systems (A-F only)

23532 01 LEC, 11:00am-12:15pm T, Armory 205;

3000 Professional Training in Naval Science (S-N only; prereq Jr enrolled in NROTC)

17677 01 LAB, 06:15am-08:50am T, Armory 202;

3001 Navigation I: Piloting and Celestial Navigation (A-F only)

22243 01 LEC, 09:45am-11:00am T, Armory 205;

3002 Leadership and Management I (A-F only; meets CLE req of Writing Intensive)

17360 01 LEC, 09:45am-11:00am T, Armory 205;

4410 Ambushable Warfare (A-F only)

17361 01 LEC, 12:45pm-02:00pm T, Armory 205;

4411 Ambushable Warfare (A-F only)

29903 01 LEC, 12:45pm-02:00pm T, Armory 205;

12-100 Phillips Wagensteen Bldg (Box
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/ for: PHSL 8216; S-N only; prereq 8888; Thesis Credit: Doctoral
31697 001 THE; Mind/Brain Journal Club; Pardo, Jose Victor, 1-4 cr
31699 001 SEM, 10:10am-11:00am MWF, MoosT 2-800; Readings in Systems Neuroscience; Honda, Christopher N, 1-2 cr
21309 013 DST, Advanced Survey of Biomedical Neuroscience; Branton, W Dale, 1-4 cr
7200 Clinical Neurology (max crs 15; NGA)
19404 001 LEC, 08/06/05-01/13/06; David, William S., 1 cr
31370 001 CLN, 10/17/05-11/11/05; Walk, David, 2-4 cr
31369 001 LEC, 09/19/05-10/14/05; Walk, David, 4 cr
31375 001 ROT, 11/15/05-12/08/05; Walk, David, 4 cr
31376 001 ROT, 12/10/05-01/13/06; Walk, David, 4 cr
7705 Neurological-Neurosurgical Conference (NGA)
19406 001 LEC, 08/06/05-01/13/06; David, William S., 1 cr
5561 Systems Neuroscience (A-F only; prereq NSc grad student or instr consent)
31370 001 CLN, 10/17/05-11/11/05; Walk, David, 4 cr
31369 001 CLN, 10/17/05-11/11/05; Walk, David, 2-4 cr
31376 001 ROT, 12/10/05-01/13/06; Walk, David, 4 cr
7559 Subinternship in Clinical Neurology (HNV; prereq 7510)
16607 001 ROT, 08/22/05-09/16/05; Walk, David, 4 cr
31373 002 ROT, 09/19/05-10/14/05; Walk, David, 4 cr
31374 003 ROT, 10/17/05-11/11/05; Walk, David, 4 cr
31375 004 ROT, 11/15/05-12/08/05; Walk, David, 4 cr
31376 005 ROT, 12/10/05-01/13/06; Walk, David, 4 cr
7600 Epilepsy Diagnosis and Treatment (HNV)
19354 001 LEC, 08/22/05-09/02/05; Gumnit MD, Robert J, 2 cr
31399 002 LEC, 09/05/05-09/16/05; Gumnit MD, Robert J, 2 cr
31400 003 LEC, 09/19/05-09/30/05; Gumnit MD, Robert J, 2 cr
31401 004 LEC, 10/03/05-10/14/05; Gumnit MD, Robert J, 2 cr
31402 005 LEC, 10/17/05-10/28/05; Gumnit MD, Robert J, 2 cr
31403 006 LEC, 10/31/05-11/11/05; Gumnit MD, Robert J, 2 cr
31404 007 LEC, 11/14/05-11/25/05; Gumnit MD, Robert J, 2 cr
31412 008 LEC, 12/12/05-12/20/05; Gumnit MD, Robert J, 2 cr
31413 009 LEC, 01/03/06-01/13/06; Gumnit MD, Robert J, 2 cr
NEUROSCIENCE (NSc) 6-145 Jackson Hall, 321 Church St SE, East Bank Campus, Minneapolis, MN, 55455
612-625-6800, www.neuroscience.umn.edu
Medical School
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/ for: 7544 Clinical Electroencephalography (HNV)
16605 001 CLN, 08/02/05-09/16/05; Walk, David, 4 cr
31369 001 LEC, 08/02/05-09/16/05; Walk, David, 2-4 cr
31370 001 CLN, 10/17/05-11/11/05; Walk, David, 2-4 cr
612/625-9900, http://www.neurology.umn.edu/ Medical School
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/ for: 7544 Clinical Electroencephalography (HNV)
NEUROSCIENCe DEPARTMENT (Nsci)
6-145 Jackson Hall, 321 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6600, http://www.neurosci.umn.edu

Medical School
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6600, http://www.bookstore.umn.edu/

NEUROSURGERY (NSu)
D-429 Mayo (Box 96 UMC), 420 Delaware Street SE, East Bank Campus, Minneapolis, MN 55455
612/624-6666, http://www.neuro.umn.edu

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6600, http://www.bookstore.umn.edu/

### Fall 2005

1001 Beginning Norwegian
(Credit will not be granted if credit has been received for: NOR 4001)
15471 001 DIS, 12:20pm-01:10pm MTWThF, KoltH 234; Meets with: 17670 NOR 4001, 5 cr
31162 002 DIS, 12:20pm-01:10pm MTWThF, PeikH 155; Meets with: 17671 NOR 4001, 5 cr
15472 003 DIS, 06:20pm-08:25pm MTh, KohlS 137; 5 seats reserved for non-PSEO, non-admitted student; Meets with: 31163 NOR 4003, 5 cr

1003 Intermediate Norwegian
(Credit will not be granted if credit has been received for: NOR 4003; prereq 1002)
15474 001 DIS, 09:05am-09:55am MTWThF, KohlS S138; Meets with: 17672 NOR 4003, 5 cr
31161 002 DIS, 06:20pm-08:25pm MTh, KohlS S137; 5 seats reserved for non-PSEO, non-admitted student; Meets with: 31163 NOR 4003, 5 cr

4001 Beginning Norwegian
(Credit will not be granted if credit has been received for: NOR 1001; prereq 1004 in another language or passing score on LPE or grad student)
17670 001 DIS, 12:20pm-01:10pm MTWThF, Friedl234; Meets with: 15471 NOR 1001, 2 cr
17671 002 DIS, 12:20pm-01:10pm MTWThF, PeikH 155; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 31162 NOR 1001, 2 cr
31182 003 DIS, 06:20pm-08:25pm MTh, AmundH 124; Meets with: 15472 NOR 1001, 2 cr

4003 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 grad student)
17672 001 DIS, 12:20pm-01:10pm MTWThF, Friedl234; Meets with: 15474 NOR 1003, 2 cr
31163 002 DIS, 06:20pm-08:25pm MTh, KohlS S137; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 31161 NOR 1003, 2 cr

NURSING (Nurs)
6-101 Weaver-Densford Hall, 308 Harvard Street SE, East Bank Campus, Minneapolis, MN, 55455

School of Nursing
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6600, www.bookstore.umn.edu/
Consult the Web http://www.onestop.umn.edu for updated information or call the department at 612/624-4454.

1020 Challenge of Nursing
(S-N only)
18780 001 LEC, 12:20pm-02:15pm Th, Room TBA, TCEXTABANK; Carey, Kristine Marie, 2 cr
1030H Freshman Seminar in Nursing
(A-F only; prereq instr consent; meets HON req of Honors)
24792 001 LEC, 11:15am-12:05pm W, MoosT 2-580,
### University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Instructor</th>
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<th>Time</th>
<th>Room</th>
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<tr>
<td>27407</td>
<td>Human Growth and Development: A Life Span Approach</td>
<td>(prereq General psychology course; meets CLE req of Social Science Core)</td>
<td>27470</td>
<td>001 LEC, 11:15am-12:05pm Th, Room TBA, ROCHESTER, Alzina, Karin Lue, 1 cr</td>
<td>27471</td>
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<tr>
<td>27499</td>
<td>Human Experience of Health and Illness</td>
<td>(A-F only; prereq Nursing student or instr consent)</td>
<td>27590</td>
<td>001 LEC, 01:25pm-03:20pm Th, Room TBA, ROCHESTER, Alzina, Karin Lue, 1 cr</td>
<td>27591</td>
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<tr>
<td>32108</td>
<td>Statistics for Clinical Practice and Research</td>
<td>(A-F only; prereq High school algebra or instr consent; meets CLE req of Mathematical Thinking Core)</td>
<td>32109</td>
<td>001 LEC, 12:20pm-03:20pm F, Moos 2-620; Interactive Television (ITV) course (Twin Cities students only); Center, Bruce Arthur; Caines, Karen Elizabeth; Nelson, Pamela Jean, 3 cr</td>
<td>32110</td>
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<tr>
<td>4205V</td>
<td>Honors: Nursing Theory and Research</td>
<td>(prereq Nurs honors; meets CLE req of Writing Intensive; meets HON req of Honors)</td>
<td>4402H</td>
<td>EC, 08:00am-08:50am M, Room TBA, ROCHESTER; Meets with: 28619 NURS 4205W; Looman, PhD, Wendy Sue; Garcia, Carolina Marie</td>
<td>4403</td>
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<tr>
<td>4310</td>
<td>Holistic Care of Childbearing Families (prereq 4100, 4101, 4103, 4104, [ concurrent enrollment in 4202, 4205, 4300] or [concurrent enrollment in 4302, 4303, 4306])]</td>
<td>(A-F only)</td>
<td>4320</td>
<td>EC, 02:15pm-03:20pm T, Moos 5-125, 03:55pm-04:25pm T, Mayo 125; Interactive Television course, for Twin Cities students only; + community cln ar; Rossi, Mary A.</td>
<td>4322</td>
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</table>
26281 002 CLN, 7 cr
13948 002 LEC, instruction mode: Distance Education
(prereq Grad nursing major or instr consent)
5222  Advanced Physiology
5204  Population Focused Assessment and Intervention
(prereq Grad nursing major, instr consent)
91907 001 LEC, instruction mode: Distance Education and On-Site; This is a semester long web course with selected dates on-site in the Twin Cities. On site dates are: 09/09 20:15-21:00, 12/10 9:00-10:00 in WDH 4-190, 12/12 10:00-11:00 in WDH 4-190.
18488 002 LEC, This is a semester long web course with selected dates on-site in the Twin Cities. On site dates are: 09/24 and 12/10 from 9:00-10:00 in WDH 4-180; 8:00-9:00 in WDH 4-180.
1872 Theory and Therapy Development for Research
(prereq Doctoral student)
3041 Project Management (A-F only; prereq 3300 or instr consent)
29695 010 LEC, 05:45pm-08:00pm T, CarlsonMgmt 1-143, 10/05/05-12/14/05, 5 cr
3056 Managing Supply Chain Operations (A-F only; prereq 3001 or instr consent)
17408 001 LEC, 01:45pm-03:25pm TTh, CarlsonMgmt 1-143, 4 cr
6051 Service Management (A-F; prereq MBA 6220 or equiv)
29708 110 LEC, 01:45pm-03:25pm TTh, CarlsonMgmt 1-143, 4 cr
6059 Quality Management and Six Sigma (A-F; prereq MBA 6220 or equiv or instr consent; offered alt yrs)
29999 010 LEC, 03:45pm-05:25pm TTh, CarlsonMgmt 1-143, 4 cr
21000 090 LEC, 09:00am-10:20am M, CarlsonMgmt 1-143, 4 cr
26127 091 LEC, 08:00am-11:20am S, CarlsonMgmt 1-143, 4 cr
6061 New Product Design and Business Development (Credit will not be granted if credit has been received for: ME 8221, ENTR 6067, ENTR 6041, BMEN 8401; A-F only; prereq CSOM student)
24981 060 LEC, 08:00am-09:30am MW, CarlsonMgmt 2-215, 3 cr
27028 061 LEC, 08:00am-09:30am MW, CarlsonMgmt 2-215, 3 cr
6081 Operations Strategy (A-F; prereq MBA 6220 or equiv)
22349 110 LEC, 09:00am-10:50am T, CarlsonMgmt L-118, 09/06/05-10/24/05, 3 cr
6851 Experimental Design (max crs 4; A-F only; prereq MBA 6120 or equiv or business admin PhD student or instr consent; offered alt yrs)
28564 001 LEC, 08:00am-10:40am M, CarlsonMgmt 1-136, 3 cr
8745 Research on Quality Management (max crs 4; A-F only; prereq Business admin BD student or instr consent; offered alt yrs)
24443 001 SEM, 3 cr
8800 Research Topics in Operations and Management Science (max crs 4; max repeats allowed; A-F only; prereq Business admin Ph.D student or instr consent)
28786 001 LEC, 11:30am-02:10pm T, CarlsonMgmt 1-113, 2 cr
8892 Readings in Operations and Management Science (max crs 16; 16 repeats allowed; prereq Business admin PhD student or instr consent)
14280 001 DRS, 1-6 cr
8894 Graduate Research in Operations and Management Science (max crs 16; 16 repeats allowed; prereq Business admin PhD student or instr consent)
14281 001 DRS, 1-6 cr

**OPHTHALMOLOGY (Oph)**
9th Floor PWB (Box 493 UMHC), 516 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-4400, http://www.med.umn.edu/ophthalmolog

**Medical School**

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>7100</td>
<td>Introduction to Anatomy, Histology, and Embryology (HINV, prereq med or vet med student)</td>
<td>1 cr</td>
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<tr>
<td>7152</td>
<td>Ophthalmology Laboratory (NGA)</td>
<td>1-8 cr</td>
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<td>7180</td>
<td>Externship in Ophthalmology (HINV)</td>
<td>1-15 cr</td>
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**ORAL AND MAXILLOFACIAL SURGERY (OSur)**
7-174 MoosT, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-7133, http://www.dentistry.umn.edu

**School of Dentistry**

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

<table>
<thead>
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<th>Credits</th>
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<th>Notes</th>
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<tr>
<td>5257</td>
<td>Pre-Dental General Anesthesia for the Oral and Maxillofacial Surgeon</td>
<td>1-8 cr</td>
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<tr>
<td>5276</td>
<td>Medicine Rotation for the Oral and Maxillofacial Surgeon</td>
<td>1-15 cr</td>
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<tr>
<td>8250</td>
<td>Oral and Maxillofacial Surgery Rotation for the Oral and Maxillofacial Surgeon</td>
<td>1-15 cr</td>
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**ORAL BIOLOGY (OBio)**
15-209 MoosT, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-9982, http://www.dentistry.umn.edu

**School of Dentistry**

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
<th>Notes</th>
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<tbody>
<tr>
<td>7100</td>
<td>Oral and Maxillofacial Surgery</td>
<td>1-15 cr</td>
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<tr>
<td>7101</td>
<td>Oral and Maxillofacial Surgery</td>
<td>1-15 cr</td>
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This information is accurate as of: 4/22/2005
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<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Dates</th>
<th>Credits</th>
<th>Instructor(s)</th>
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<tr>
<td>8230</td>
<td>Clinical Otorhinolaryngology (A-F only; prereq Grad otol major)</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
</tr>
<tr>
<td>8231</td>
<td>Surgery of the Ear, Nose, and Throat (A-F only; prereq Grad otol major)</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
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<tr>
<td>8232</td>
<td>Maxillofacial Surgery (A-F only; prereq Grad otol major)</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
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<tr>
<td>8233</td>
<td>Plastic and Reconstructive Surgery: Head and Neck</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
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<tr>
<td>8235</td>
<td>Roentgenology of the Head and Neck</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
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<tr>
<td>8236</td>
<td>Pharmacology in Otolaryngology</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
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<tr>
<td>8237</td>
<td>Endoscopy (max crs 12; 12 repeats allowed; A-F only; prereq Grad otol major)</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
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<tr>
<td>8238</td>
<td>Otoeurology (max crs 12; 12 repeats allowed; A-F only; prereq Grad otol major)</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
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<tr>
<td>8239</td>
<td>Otolaryngology (max crs 12; 12 repeats allowed; A-F only; prereq Grad otol major)</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
</tr>
<tr>
<td>8240</td>
<td>Allergy (max crs 12; 12 repeats allowed; A-F only; prereq Grad otol major)</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
</tr>
<tr>
<td>8241</td>
<td>Cancer of the Head and Neck (max crs 12; 12 repeats allowed; A-F only; prereq Grad otol major)</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
</tr>
<tr>
<td>8242</td>
<td>Audiology and Speech Pathology (prereq Grad otol major or instr consent)</td>
<td>9/6/05-1/13/06</td>
<td>1-4 cr</td>
<td>Adams, George L; Hamlar, David D; Adams, Robert; Levine, Samuel C; Gapany, Markus</td>
</tr>
</tbody>
</table>

This information is accurate as of: 4/22/2005
### PERIODONTICS (Pero)

- 7-368 MoosT, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
- 612/625-5400, [http://www.dentistry.umn.edu](http://www.dentistry.umn.edu)

#### School of Dentistry

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, [www.bookstore.umn.edu](http://www.bookstore.umn.edu/)

8100 Seminar: Pharmacuetics
(max crs 6; HVY; prereq 7501, 7512, or Med 7500)

7538 Pediatric Gastroenterology and Nutrition
(max crs 6; HVY)

7539 Neonatal Medicine Externship
(max crs 6; HVY; prereq 7501, 7512, or Med 5700)

7543 Pediatric Nephrology at Fairview-University Medical Center
(max crs 6; HVY)

7544 Pulmonary Disease in Pediatrics
(max crs 12; HVY)

7546 Clinical Genetics
(max crs 6; HVY)

7553 Adolescent Medicine
(max crs 6; HVY; prereq enrolled yr 4 med)

7556 Pediatric Clerkship - Marshfield, WI
(HVY; prereq 7501, enrolled yr 4 med)

7559 Pediatric Clinical Care Medicine
(HVY; prereq 7501 and/or 7512.)

7560 Research/Special Problems in Pediatrics
(max crs 15; HVY; prereq InMed 6104)

7583 Fundamentals of Clinical Oncology
(HVY; prereq Med 7500 or 7501)

15371 001 CLN, 4 cr

### PERIODONTICS (Pero)

- 7-368 MoosT, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
- 612/625-5400, [http://www.dentistry.umn.edu](http://www.dentistry.umn.edu)

#### School of Dentistry

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, [www.bookstore.umn.edu](http://www.bookstore.umn.edu/)

8100 Seminar: Pharmacuetics
(max crs 4; 4 repeats allowed; S-N only; prereq Grad Pharm Phm major)

18118 001 SEM, 04:00pm-05:15pm Th, MoosT 2-520, 09/06/05-12/16/05; Meets with: 18991 PHAR 62608E, Elmhquist, William Frederick, 1 cr

8110 Readings in Pharmacuetics
(max crs 4; 4 repeats allowed; S-N only; prereq Grad Pharm Phm major)

18119 001 LEC, Weidmann, Timothy Scott, 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 Pharm Phm major)

23132 001 DST, 1 cr

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

20081 001 THE, 1 cr

8441 Solid-State Properties of Drugs
(A-F only; prereq Physical chem survey course or instr consent)

32114 001 LEC, Suryanarayanan, Raj, 2 cr

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

20276 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits
(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester; participant doctoral student who has not passed prelim oral)

20444 001 THE, 1-18 cr

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

20544 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)

19635 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.pharmacy.umn.edu](http://www.pharmacy.umn.edu)

#### Medical School

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, [www.bookstore.umn.edu](http://www.bookstore.umn.edu/)

4001 Mechanisms of Drug Action
(A-F only; prereq Upper div or instr consent; [prev or concurrent] courses in [biology, biochemistry] recommended)

28758 001 LEC, 10:00am-11:00am TTh, Room TBA, TCEASTBANK; Connell, Gregory James; Romero, Daniel Patrick, 2 cr

5101 Pharmacology for Pharmacy Students
(A-F only; prereq 2nd yr pharmacy student or instr consent)

19214 001 LEC, TC, 09:00am-09:55am MWF, WDH 7-135, 08:00am-09:55am T, Room TBA, TCEASTBANK; Dunham, Earl W., 3 cr

5109 Problems in Pharmacology
(max crs 18; prereq Upper div or grad student or instr consent)

18120 001 INI, Loh, Horace H, 1-18 cr

5110 Introduction to Pharmacology
(A-F only; prereq Grad student or instr consent)
negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

17723 001 IEX, 4 cr

7121 Institutional Practice Exp I (A-F only; prereq Pharm. D. I-IV, Minn Board of Pharm intern, criminal bgk bk, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test] and proof of chicken pox immunity)

27998 001 IEX, 4 cr

7231 Research Practice Experience I (A-F only; prereq Pharm. D. I-III, Minn Board of Pharm intern, criminal bgk bk, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

71770 001 IEX, Smoody, Michele, 4 cr

7212 Acute Patient Care Practice Experience I (A-F only; prereq Pharm.D. I-III, Minn Board of Pharm intern, criminal bgk bk, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

17771 001 IEX, Smoody, Michele, 4 cr

7123 Ambulatory Patient Care Practice Experience (A-F only; prereq Pharm. D. I-V, Minn Board of Pharm intern, criminal bgk bk, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test] and proof of chicken pox immunity)

20650 001 IEX, Smoody, Michele, 4 cr

7211 Elective Practice Experience I (A-F only; prereq Pharm.D. I-III, Minn Board of Pharm intern, criminal bgk bk, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

21117 001 IEX, Smoody, Michele, 4 cr

71772 001 IEX, Smoody, Michele, 4 cr

7124 Special Mgmt Clerkship II (max crs 4; A-F only)

22358 002 RES, 1-5 cr

22359 003 RES, 1-5 cr

22360 004 RES, 1-5 cr

22361 005 RES, 1-5 cr

PHILOSOPHY (Phil)

381 Heller Hall, 271 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/625-6563, http://www.philosophy.umn.edu

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu.

1001 Introduction to Logic

(Credit will not be granted if credit has been received for: PHIL 1001H, PHIL 1021; meets CLE req of Mathematical Thinking Core)

001 L 09:45am-09:55am MWF, Andl 230, Owens, Joseph J

14835 002 DIS, 08:00am-08:50am Th, BLEGH 597, 1 cr

14834 003 DIS, 09:00am-09:50am Th, BLEGH 731, 1 cr

14836 004 DIS, 12:20pm-01:10pm Th, HEBEL 731, 1 cr

21382 005 DIS, 08:00am-08:50am Th, BLEGH 430, 1 cr

21383 006 DIS, 09:00am-09:50am Th, BLEGH 210, 1 cr

21384 007 DIS, 11:15am-12:05pm Th, BLEGH 210, 1 cr

008 L 12:20pm-01:10pm MWF, Andl 230, Noves, Anna M

14840 009 DIS, 11:15am-12:05pm Th, BLEGH 245, 1 cr

14838 010 DIS, 01:25pm-02:15pm Th, BLEGH 210, 1 cr

This information is accurate as of: 4/22/2005

153
PHYSICAL EDUCATION (PE) 220 Cooke Hall, 1900 University Ave SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5300. http://education.umn.edu/kl

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN 55108, 612/624-9200, www.bookstore.umn.edu/

Courses listed below are ranked numerically according to skill level. The skill level of each course is indicated by the second digit in the course number: 0=first level, 1=second level, and so on. Thus 1007, for example, is a first-level course, and 1107 is a second-level course. In most cases, the lower level course is a prerequisite for the higher; however, students who can demonstrate sufficient skill in an activity may usually register for the most advanced course without completing the prerequisite(s). Most of the courses are considered high intensity, that is they require a high level of physical exertion. Students are encouraged to consider carefully any limits on their health or physical fitness and to consult a doctor if they have any questions about health issues or the ability to participate safely in the physical activities required for a particular course. Students may register either for the A-F or S-N grading option. Those registering with A-F grade base or drop the class. Students may register either for the A-F or S-N grading option. Those registering with A-F grade base or drop the class.

155
1047 Backpacking
(OPEN; prereq Good general health, no back problems)

24664 001 PHY, 11:15am-12:05pm Th, CookeH 214, 09/06/05-10/24/05, 04:00pm-11:00pm
WTD Fri, Room TH, 09/06/05-10/24/05, 04:00pm-11:00pm
WTD Fri, Room TH, 09/06/05-10/24/05; Five day mandatory backpacking trip October 6-10. Students will share the transportation costs; 1 seat reserved for Rec major, 2 cr

1053 Ice Skating
(OPEN)

1054 Golf
(OPEN)

1059 Track and Field
(OPEN)

1065 Beginning Tumbling and Gymnastics
(OPEN)

1067 Basketball
(OPEN)

1071 Beginning Cricket
(OPEN)

1072 Soccer
(OPEN)

1074 Beginning Volleyball
(OPEN)

1107 Intermediate Swimming
(OPEN; prereq 1007 or equiv, proficient ability to swim 100 meters or instr consent)

1150 Physical and Rehabilitation (PMed)
500 Boynton Health Service (Box 297 Mayo), 410 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
http://www.pmr.umn.edu

Medical School

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/626-6000, www.bookstore.umn.edu

1002 Orientation to Physical Therapy

16479 001 LEC, 01:25pm-02:15pm Th, Room TBA, TCEASTBANK; Course also includes 20 hours mandatory backpacking trip September 29 - October 3. Students will share transportation costs.; 1 seat reserved for non-PSEO, non-admitted student, 1 cr

1412 Advanced Weight Training and Conditioning
(OPEN; prereq [1014, [1015 or equiv]] or instr consent; one yr of serious weight training recommeded)

29812 001 PHY, 08:00am-08:55am TTh, URecCr 220; Wangpeha, Joseph M, 1 cr

1415 Therapy of Physical Medicine and Rehabilitation Applied to Medical Sciences
(A-F only; prereq enrolled OT student or instr consent)

5161 Theory of Physical Medicine and Rehabilitation Applied to Medical Sciences

13987 001 PHY, 09:05am-09:55am MTWTh, FieldHse 501, 1 cr

13982 002 PHY, 10:10am-12:00pm TTh, CookeH 15, 10/06/05-12/14/05, 10:00am-12:00pm TTh, UAcGr 45, 10/25/05-12/14/05; ($85 course fee); Karl, Robert J, 1 cr

13902 003 PHY, 10:00am-10:55am MW, UAqCtr 45, 09/06/05-10/24/05; ($85 course fee); Karl, Robert J, 1 cr

13909 004 PHY, 10:00am-10:55am Th, CookeH 214, 09/06/05-10/24/05; ($85 course fee); Karl, Robert J, 1 cr

13979 005 PHY, 08:00am-09:50am MW, UAcGr 45; There is a $200 fee for this course.; Byrd, Sarah Nool, 1 cr

13500 001 PHY, 08:00am-09:50am MW, UAcGr 45; 09:55am T, ChRC R262; + 20 hours of arranged fieldwork; 25 seats reserved for OT student; Stern, Erica Beth; Anderson, Diane Roselyn, 1 cr

5131 Therapeutic Occupation
(A-F only; prereq enrolled OT student or instr consent)

5300 Concepts for Occupational Therapy Practice

13496 001 LEC, 11:15am-12:00pm F, ChRC R262, 09/06/05-04/25/06, 11:00am-12:00pm F, Room TBA, 09/06/05-04/25/06; ChRC R262; 25 seats reserved for OT student; Schaber, Patricia Louise, 4 cr

5301 Therapeutic Occupation

13797 001 LET, 08:00am-11:00am MW, ChRC R255, 08:00am-11:00am MW, ChRC R262; 25 seats reserved for OT student; Anderson, Diane Roselyn, Meyers, Cheryl Ann, 4 cr

5334 Specialty Topics: Evaluation and Intervention III

14045 001 LEC, 01:25pm-02:00pm M, ChRC R262, 01:25pm-02:00pm Th, ChRC R262; + 20 hours of arranged fieldwork; 25 seats reserved for OT student; Stern, Erica Beth; Anderson, Diane Roselyn, 4 cr

5360 Dynamics of Group Models

14048 001 LET, 10:10am-12:05pm Th, ChRC R255; 25 seats reserved for OT student; Meyers, Cheryl Ann; Schuber, Patricia Louise, 4 cr

5370 Theory of Occupation
(max crs 2; A-F only; prereq enrolled OT student or instr consent)

13794 001 LEC, 11:15am-12:00pm MW, ChRC R262; 25 seats reserved for OT student; Anderson, Diane Roselyn, 1 cr

5375 Introduction to Occupational Therapy

14046 001 LEC, 01:25pm-02:00pm Th, ChRC R262; 25 seats reserved for OT student; Meyers, Cheryl Ann, 2 cr

5393 Functional Anatomy and Kinesiology

13793 001 LEC, 10:10am-12:05pm Th, ChRC R262, 01:25pm-03:20pm F, JacH 5-147; 09/05-11:00am F, ChRC R262; 25 seats reserved for OT student; Mateiwicz PhD, Virgil G; Schuber, Patricia Louise, 2 cr

5394 Orthotics

(A-F only; prereq 5341 or instr consent)

14044 001 LET, 08:00am-09:55am TTh, ChRC R255, 09:05am-10:55am T, ChRC R255; 25 seats reserved for OT student; Stern, Erica Beth, 2 cr

5395 Independent Study in Occupational Therapy
(max crs 16; 16 repeats allowed; prereq enrolled OT student or instr consent)

14052 001 DST; Martin, Peggy Mae, 1-4 cr

7410 Rehabilitation Medicine for Adults
(max crs 6; HNV; prereq Med 7500 or Neur 7510)

16733 001 CLN, 08:00am-12:00pm W, Room TBA; Dykstra, Dennis Dale, 3-6 cr

4111 Rehabilitation Medicine: Ambulatory Care
(max crs 6; HNV; prereq enrolled med sr)

16754 001 CLN, 08:00am-12:00pm W, Room TBA; Dykstra, Dennis Dale, 3-6 cr

7412 Rehabilitation Medicine for Adults - VA Medical Center
(max crs 6; HNV)

16735 001 CLN, 08:00am-12:00pm W, Room TBA; Dykstra, Dennis Dale, 3-6 cr

7415 Physical Medicine and Rehabilitation for the Generalist
(max crs 6; HNV)

22410 001 LEC, 01:00am-01:55am Th, Room TBA, 08:00am-08:55am Th, URecCr 220; Wangpeha, Joseph M, 1 cr

7416 Pediatric Rehab Medicine at Gillette Children's Hospital
(max crs 6; HNV)

16763 001 CLN, 08:00am-12:00pm W, Room TBA; Dykstra, Dennis Dale, 3-6 cr

7417 Research in Physical Medicine and Rehabilitation
(HNV)

16764 001 DRS, 08:00am-12:00pm W, Room TBA; Dykstra, Dennis Dale, 6 cr

7418 Rehab Medicine at Hennepin County Medical Center
(max crs 6; HNV)

21216 001 CLN, 07/11/05-01/30/06, 3-6 cr

8103 Physical Therapy Clinic
(max crs 4; A-F only; prereq: Physical therapist)

16384 001 CLN, 1-4 cr

8200 Physical Medicine and Rehabilitation Service
(max crs 15; prereq enrolled in PMed)
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<th>Course Code</th>
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<tr>
<td>6215</td>
<td>Clerkship III</td>
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<td>24566</td>
<td>Clerk Clinic</td>
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<td>5574</td>
<td>Medical School</td>
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<td>6231</td>
<td>Clinical Biomechanics</td>
<td>(Credit will not be granted if credit has been received for: PMED 5231; A-F only; prereq Intro calculus, physics, registered PT student)</td>
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<td>23778</td>
<td>6208</td>
<td>Clinical Rehabilitation (A-F only; prereq Registered PT student)</td>
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<td>6209</td>
<td>Electrodiagnosis</td>
<td>Medical School</td>
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<td>100 L</td>
<td>1101 W</td>
<td>Energy and the Environment</td>
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This information is accurate as of: 4/22/2005
213 LAB, 10:25pm-12:15pm M, Phys 140; 9 seats reserved for IT and FRFY, 4 cr
17930 139 LAB, 12:20pm-02:15pm T, Phys 155; 9 seats reserved for IT and FRFY, 4 cr
317 D IS, 11:15am-12:05pm Th, Room TBA, TECENTRAK
13201 310 LAB, 09:05am-09:55am M, Phys 153; 9 seats reserved for IT and FRFY, 4 cr
13200 310 LAB, 09:05am-09:55am M, Phys 153; 9 seats reserved for IT and FRFY, 4 cr
307 D IS, 11:15am-12:05pm Th, Room TBA, TECENTRAK
13199 308 LAB, 09:05am-11:00am W, Phys 140; 9 seats reserved for IT and FRFY, 4 cr
306 D IS, 11:15am-12:05pm Th, Room TBA, TECENTRAK
13198 307 LAB, 09:05am-11:00am W, Phys 140; 9 seats reserved for IT and FRFY, 4 cr
305 D IS, 11:15am-12:05pm Th, Room TBA, TECENTRAK
13197 306 LAB, 09:05am-11:00am W, Phys 153, 4 cr
304 D IS, 11:15am-12:05pm Th, Room TBA, TECENTRAK
13195 305 LAB, 09:05am-11:00am W, Phys 153; 9 seats reserved for IT and FRFY, 4 cr
303 D IS, 11:15am-12:05pm Th, Room TBA, TECENTRAK
13194 304 LAB, 09:05am-11:00am W, Phys 153; 9 seats reserved for IT and FRFY, 4 cr
302 D IS, 11:15am-12:05pm Th, Room TBA, TECENTRAK
17936 138 LAB, 01:25pm-03:20pm T, Phys 140; 5 seats reserved for IT and FRFY, 4 cr
13203 332 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13204 332 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13205 333 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13206 334 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13207 335 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13208 336 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13209 337 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13210 338 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13211 339 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13212 340 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13213 341 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13214 342 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13215 343 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13216 344 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13217 345 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
13218 346 LAB, 03:35pm-05:30pm T, Phys 154; 9 seats reserved for IT and FRFY, 4 cr
28427 001 LEC, 02:30pm-03:20pm MTWH, Phy 133; Meets with: 28299 AST 5022; 4 cr
5022 Relativity, Cosmology, and the Universe
(Credit will not be granted if credit has been received for: AST 5022; prereq 2601 or instr consent)
28427 001 LEC, 02:30pm-03:20pm MTWH, Phy 133; Meets with: 28299 AST 5022; 4 cr
- 001 Analytical and Numerical Methods of Physics I
(prereq Grad or instr consent)
14245 001 LEC, 01:25pm-02:15pm MTWH, Phy 170; 3 cr
5021 Thermal and Statistical Physics
(Credit will not be granted if credit has been received for: PHYS 4201; A-F only; prereq 2601 or equivalent)
- 001 Directed Research
(max crs 10; 10 repeats allowed; prereq instr consent, dept consent)
14224 001 DIST, 1-5 cr
4994 Directed Research
(men crs 10; 10 repeats allowed; prereq instr consent, dept consent)
14228 001 DRS, 1-5 cr
4001 Analytical Mechanics
(prereq [2303 or 2601 or Chem 3501] or Chem 3502; two sems soph math)
14201 LEC, 09:00am-09:55am MTWH, Phy 210; 3 hr final exam
23439 002 DIS, 09:00am-09:55am Th, Phy 157; Woodruff, Jesse Richard, 4 cr
23456 003 DIS, 10:00am-11:00am Th, Phy 157, 4 cr
4051 Methods of Experimental Physics I
(prereq 2605 or equiv lab experience or instr consent)
14201 LEC, 02:30pm-03:20pm MTWTh, Phys 133; 3 hr Final Exam, 3 cr
5401 Physiological Physics
(prereq 1301 or 1401)
31983 001 LEC, 02:00pm-03:00pm MTWH, Phy 170, 4 cr
5950 Colloquium Seminar
(S-N only; prereq [Grad student or advanced undergrad in physics], dept consent)
14213 001 COL, 03:30pm-05:30pm W, Phy 131, 1 cr
5980 Introduction to Research Seminar
(max crs 3; 3 repeats allowed; S-N only; prereq Grad or upper div phy major)
14226 001 SEM, 02:00pm-03:20pm F, Phy 157, 1 cr
5993 Directed Studies
(max crs 15; 15 repeats allowed; prereq instr consent, dept consent)
14225 001 DRS, 1-5 cr
5994 Directed Research
(max crs 15; 15 repeats allowed; prereq Jr, dept consent)
14227 001 DRS, 1-5 cr
8001 Advanced Quantum Mechanics
(prereq 5002 or instr consent)
14255 001 LEC, 12:00pm-01:00pm MWF, Phy 143; 3 hr Final Exam, 3 cr
8012 Quantum Field Theory II
(prereq 8011 or instr consent)
20183 001 LEC, 08:00am-09:55am MWF, Phy 236A; 3 hr final exam, 3 cr
8200 Seminar: Cosmology and High Energy Astrophysics
(max crs 6; 6 repeats allowed; S-N only; prereq instr consent)
29180 001 SEM, 1 cr
8333 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)
29085 001 THE, 1 cr
8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
29078 001 THE, 1 cr
8500 Plan B Project
(prereq instr consent; may be taken once to satisfy Plan B master's project requirement; no cr toward PhD)
14253 001 DRS, 4 cr
8600 Seminar: Space Physics
(max crs 6; 6 repeats allowed; S-N only)
14249 001 SEM, 01:25pm-02:15pm Th, Phy 143, 1 cr
8601 Plasma Physics I
(prereq 4621, 5012 or instr consent)
21409 001 LEC, 03:30pm-04:25pm MTWH, Phy 143, 3 cr
8666 Doctoral Pre-Thesis Credits
(max crs 60; 4 repeats allowed; NGA; max crs 24; 12 repeats allowed; doctoral student who has not passed prelim oral)
20464 001 THE, 1-8 cr
8700 Seminar: Condensed Matter Physics
(max crs 6; 6 repeats allowed; S-N only; prereq instr consent)
14250 001 SEM, 01:25pm-03:00pm Th, Phy 150, 1 cr
8701 Statistical Mechanics and Transport Theory I
(prereq 5002 or instr consent)
14246 001 LEC, 11:15am-12:00pm MWF, Phy 236A; 3 hr Final Exam, 3 cr
8711 Solid-State Physics I
(prereq 4211, 5002 or instr consent)
14247 001 LEC, 04:00pm-05:55pm MF, Phy 236A; 3 hr final exam, 3 cr
8777 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA; max crs 24; 24 repeats allowed; doctoral student who has not passed prelim oral)
20546 001 THE, 1-18 cr
8800 Seminar: Nuclear Physics
(max crs 6; 6 repeats allowed; S-N only)
14251 001 SEM, 1 cr
8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; max crs 24; 24 repeats allowed; doctoral student who has not passed prelim oral)
20546 001 THE, 1-18 cr
160
This information is accurate as of: 4/22/2005
5960 Special Topics
(max crs 6; repeats allowed; prereq Biol 2022 or Biol 3002 or Biol 3007)
24513 001 LEC, 03:00pm-03:50pm MW, BioSci 257, STPAUL, Epigenetic mechanisms of gene regulation.

5301 Plant Genomics
(Prereq credit will be granted if credit has been received for: PLPA 5301; prerequisite [Intro course in genetics or instr consent])
3131 001 LEC, 01:15pm-02:30pm T, Carlgill 105; Young, Nye Dacre, 3 cr
5999 Special Workshop in Plant Pathology (max crs 4)
17805 001 LEC, 1-4 cr
8005 Supervised Classroom or Extension Teaching (max crs 8)
17806 001 DIS; Kinkel, Linda Lee, 1-8 cr
21329 002 DIS; Kinkel, Linda Lee, 1-8 cr
8102 Epidemiology and Genetics of Host-Parasite Interactions (max crs 4; A-F only; prerequisite 5201, GCD 3022)
22687 001 LEC, 09:00am-10:45am MW, BorH 365, STPAUL, 01:00pm-02:15pm W, BorH 491, STPAUL;
Meets with: 22207 PLPA 1012; Kinkel, Linda Lee; Steffenson, Brian Joel, 3 cr
8123 Research Ethics in Plant and Environmental Sciences
(Prereq credit will not be granted if credit has been received for: APSC 8123, SOIL 8123; S-N only; prerequisiteEnrolled in a plant/Environmental research program)
32004 001 LEC, 0.50 cr
8200 Seminar
(max crs 2; A-F only)
15773 001 SEM, 03:00pm-05:55pm M, BorH 365, STPAUL, Braden, James M; Szabo, Les J, 1-2 cr
8333 FTE: Master's
(NGA; prerequisite Master's student, adviser and DGS consent)
2086 001 THE, 1 cr
8444 FTE: Doctoral
(NGA; prerequisite Doctoral student, adviser and DGS consent)
2081 001 THE, 1 cr
8666 Doctoral Pre-Thesis Credits
(max crs 60; repeats allowed; NGA; prerequisite Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
2047 001 THE, 1-18 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])
2047 001 THE, 1-18 cr
8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; prerequisite Max 18 cr per semester or summer; 24 cr required)
http://www.ccc.umn.edu/pil
College of Continuing Education

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

3200 Continuing Studies
(max crs 50; 10 repeats allowed; NGA; thesis credits: Master's
20088 001 THE, 1 cr
(max crs 9; 3 repeats allowed; prereq =: 3310, or 3910H)
3287 Major Project
(S-N only; prereq PIL student, dept consent)
23570 001 LEC; Borowicz, C. Joshua, 5 cr
3251 Individualized Study
(S-N only; prereq PIL student, dept consent)
18969 001 SEM; Borowicz, C. Joshua, 5 cr
18965 001 LEC; Borowicz, C. Joshua, 5 cr
3281 Major Project
(S-N only; prereq PIL student, dept consent)
23569 001 SEM; Borowicz, C. Joshua, 5 cr
3283 Major Project
(S-N only; prereq PIL student, dept consent)
18971 001 IND; Borowicz, C. Joshua, 5 cr
2391 Graduation Preparation
(S-N only; prereq PIL student, dept consent)
23571 001 LEC; Borowicz, C. Joshua, 8 cr
4299 Graduation Review
(S-N only; prerequisites; dept consent)
23572 001 LEC; Borowicz, C. Joshua, 5 cr

PROSTHODONTICS (Pros)
9-450 MoosT, 515 Delaware Street SE,
East Bank Campus, Minneapolis, MN, 55455
612/625-0634,
http://www.dentistry.umn.edu
School of Dentistry

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

7110 Classic Prostodontic Literature
Review
(max crs 6; 6 repeats allowed; A-F only; prerequisite is oral proficiency
18544 001 SEM; 08:00am-09:05pm M, Room TBA;
Holman, James R, 2 cr
2200 Advanced Clinical Prosthodontics I
(A-F only; prerequisite is oral proficiency
16736 001 CLN; 07:00am-04:00pm MTWTF, Room TBA;
Holman, James R; Schuette, John K, 5 cr

PSYCHOLOGY (Psy)
N-218 Elliott Hall, 75 E River Road,
East Bank Campus, Minneapolis, MN, 55455
612/625-4042,
http://www psy.umn.edu
College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

1001 Introduction to Psychology
(Credit will not be granted if credit has been received for: GC 1281; meets CLE req of Social Science Core)
2001 L EC; 01:25pm-02:15pm MWF, WilleyH 175;
Briggs, Kathleen Helen
14784 002 DIS, 09:05am-09:55am T, EHL 150; Honors

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<td>32209</td>
<td>001 LEC, 12:45pm-02:00pm MTh, SmithH 100; Bouchard, Thomas J, 3 cr</td>
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<td>24462</td>
<td>002 LEC, 06:20pm-08:50pm M, Mechel, 18; 1 seat reserved for non-PSEO, non-admitted student, 3 cr</td>
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<td>3201</td>
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<td>3005W</td>
<td>Introduction to Research Methods and Statistics (A-F only; prereq 1001, 001, [soph or jr or sr]; meets CLE req of Writing Intensive)</td>
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<td>Introduction to Sensation and Perception (prereq 1001)</td>
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<td>3051</td>
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<td>19024</td>
<td>Psychology; Ones, Dari, S 1-6 cr</td>
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<td>21596</td>
<td>009 LEC; Personality and Psychopathology; Kramer, Robert 1-6 cr</td>
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<td>19434</td>
<td>010 LEC; Affective Science, Patrick; Johnson, John 1-6 cr</td>
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<td>21004</td>
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<td>22683</td>
<td>027 LEC; Research/Readings in Organizational Psychology; Bone, Joyce Ellen 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>22437</td>
<td>028 LEC; Research Lab in Neurobiology of Behavior; Gewirtz, Jonathan 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>22438</td>
<td>029 LEC; Counseling Psychology Supervision; Hansen, Jo-Ann 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>21886</td>
<td>034 LEC; Journal Seminar on Hearing; Vierumaa, Neal Frank 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>21593</td>
<td>035 LEC; Rothman, Alexander John 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>22985</td>
<td>036 LEC; Special Topics in Perception and Action; Probabilistic Models for Reasoning, Navigation, and Visual Recognition; Schrater, Paul Robert 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>23735</td>
<td>038 LEC; Teaching and Development; Campbell, John P 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>24082</td>
<td>040 LEC; Research in Intergroup Relations and Political Psychology.; Federico, Christopher Michael 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>24478</td>
<td>043 LEC; Ones, Dari, S 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>25985</td>
<td>045 LEC; Neurobiological Basis of Addiction; Thomas, Mark John 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>24695</td>
<td>046 LEC; Neuroimaging in Psychopathology; MacDonald, Angus 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>25660</td>
<td>047 LEC; Vision and Attention Lab; He, Sheng 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>8995</td>
<td>Research Problems (max crs 3; 6 repeats allowed)</td>
<td>1-6 cr</td>
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<tr>
<td>18939</td>
<td>001 LEC; 1-6 cr</td>
<td>1-6 cr</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Instructor(s)</td>
<td>Credits</td>
<td>Room/Time</td>
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<tr>
<td>5232</td>
<td>Transportation Policy, Planning, and Deployment</td>
<td>(prereq Grad or instr consent)</td>
<td>3</td>
<td>TBA</td>
<td></td>
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<tr>
<td>52601</td>
<td>001 LEC, 04:00pm-05:30pm M, HHHCtr 20; Schul, G Edward, 3 cr</td>
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<tr>
<td>5253</td>
<td>Designing Planning and Participation Processes</td>
<td>(A-F; prereq Grad student or instr consent)</td>
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<tr>
<td>52609</td>
<td>001 LEC, 06:00pm-08:30pm T, HHHCtr 25; Slevich, Carissa A., 3 cr</td>
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<tr>
<td>5271</td>
<td>Geographic Information Systems: Applications in Planning and Policy Analysis</td>
<td>(prereq Grad student or instr consent)</td>
<td>3</td>
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<tr>
<td>5311</td>
<td>Program Evaluation</td>
<td>001 LEC, 04:00pm-05:15pm M, BlegH 125;</td>
<td>3</td>
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<tr>
<td>5361</td>
<td>Poverty, Inequality, and Public Policy</td>
<td>001 LEC, 06:00pm-08:30pm T, HHHCtr 15;</td>
<td>3</td>
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<tr>
<td>5411</td>
<td>Education Policy and the State Legislature</td>
<td>001 SEM, 06:00pm-08:30pm M, HHHCtr 30;</td>
<td>3</td>
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<tr>
<td>5451</td>
<td>Immigrant Health Issues</td>
<td>001 LEC, 04:00pm-05:15pm M, BlegH 125;</td>
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<tr>
<td>5490</td>
<td>Topics in Social Policy</td>
<td>001 LEC, 02:30pm-03:45pm TTH, HHHCtr 30;</td>
<td>3</td>
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<td>5511</td>
<td>Community Economic Development</td>
<td>001 LEC, 06:00pm-08:30pm M, HHHCtr 20;</td>
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<tr>
<td>5521</td>
<td>Development Planning and Policy Analysis</td>
<td>001 LEC, 02:30pm-03:45pm TTH, HHHCtr 30;</td>
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<tr>
<td>5552</td>
<td>Economic Development Policies in Latin America</td>
<td>001 LEC, 02:30pm-03:45pm TTH, HHHCtr 20;</td>
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<tr>
<td>5601</td>
<td>Survey of Women, Law, and Public Policy in the United States</td>
<td>001 LEC, 02:30pm-03:45pm M, Room TBA; Kenney, Sally J, 3 cr</td>
<td>3</td>
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<tr>
<td>5701</td>
<td>Science and State</td>
<td>001 LEC, 02:30pm-03:45pm M, Room TBA; Kenney, Sally J, 3 cr</td>
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<tr>
<td>5722</td>
<td>Environmental and Resource Policy</td>
<td>001 LEC, 02:30pm-03:45pm M, Room TBA; Keller, Kenneth H, 3 cr</td>
<td>3</td>
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<tr>
<td>5890</td>
<td>Topics in Foreign Policy and International Affairs</td>
<td>001 LEC, 02:30pm-03:45pm M, Room TBA; Keller, Kenneth H, 3 cr</td>
<td>3</td>
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</tbody>
</table>

**PUBLIC HEALTH (PubH)**

A-302 Mayo (Box 197), 420 Delaware Street, East Bank Campus, Minneapolis, MN, 55455
612/624-6669, www.sph.umn.edu

School of Public Health

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu/

1003 Alcohol and College Life

3 cr

Consent

52609 001 IND; instruction mode: Distance Education

23406 002 IND, instruction mode: ; This section is for freshmen and sophomores. Interested students may go to www.collegelife.umn.edu for more information about this online course.;

23906 003 IND; instruction mode: Distance Education

3001 Personal and Community Health

17820 001 IND; Kenney, Sally J, 1-3 cr

17819 002 IND; Ales, Maria M, 1-3 cr

17820 004 IND; Kriez, Kevin J, 1-3 cr

17821 005 IND; Kudrle, Robert T, 1-3 cr

17822 006 IND; Levine, Deborah, 1-3 cr

18099 007 IND; Markussen, Ann R, 1-3 cr

20184 008 IND; Myers, Samuel L, 1-3 cr

20185 009 IND; Nic, Alan, 1-3 cr

24562 010 IND; Schrader, A. Carol, 1-3 cr

24563 021 IND; Schuh, D Edward, 1-3 cr

24564 022 IND; Stone, Melissa M, 1-3 cr

24565 023 IND, 1-3 cr

24566 024 IND, 1-3 cr

29554 025 IND, 1-3 cr

29687 026 IND, 1-3 cr

**This information is accurate as of:** 4/22/2005
### University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005

#### 7450 Survival Analysis
- [ prereq][7406 or equiv.], [7451 or 7406 or Stat 5303 or equiv.], familiarity with matrix notation or instr consent
- 22793 001 LEC, 11:15am-12:30pm TTh, Room TBA; Eberly, Lynn Elizabeth, 3 cr
- 7450

#### 7455 Modern Nonparametrics
- [ prereq][7406 or equiv.], 7407, Stat 5102
- 13612 001 LEC, 12:45pm-2:00pm TTh, Juel 2-17; Pan, Wei, 3 cr

### 7459 Master's Project: Biostatistics
- (max crs 3; S-N only; Biostatistics major, instr consent; Biostatistics major, instr consent)
- 7494 001 LEC, 08:00am-04:40pm MT, Room TBA, (A-F only; prereq Maternal/child health major, instr consent)

### 7576 Administrative and Professional Relationships Within the Healthcare Facility
- (A-F only; prereq 7575)
- 7577 001 LEC, 10 cr

### 7578 Practicum in Long-Term Care Administration
- (S-N only; prereq [7580, 7581, 7583] or [7573, 7575, 7579, 7586]) or instr consent
- 7584 001 LEC, Grant, Leslie Alan, 4 cr

### 7588 Information Uses in Long-Term Care
- (A-F only; prereq Some knowledge of computers)
- 7588 001 LEC, 08:00am-04:30pm MT, Room TBA, OFFCMPTC; Grant, Leslie Alan, 2 cr

### 7691 Independent Study: Maternal and Child Health
- (max crs 20; 20 repeats allowed; prereq Maternal/child health major, instr consent)
- 7694 001 IND, To register, contact Kathryn Schwartz at gradstudies@epi.umn.edu for a permission number, 1-4 cr

### 7694 Master's Project: Maternal and Child Health
- (max crs 4; S-N only; prereq Maternal/child health major, instr consent)
- 7694 001 IND, To register, contact Kathryn Schwartz at gradstudies@epi.umn.edu for a permission number, 1-4 cr

### 7696 Field Experience: Maternal and Child Health
- (max crs 4; S-N only; prereq Maternal/child

### 7791 Independent Study: Public Health Administration and Policy
- (max crs 4; 4 repeats allowed; prereq Public health admin/policy major, instr consent)
- 19946 001 FWK, To register, contact Kathryn Schwartz at gradstudies@epi.umn.edu for a permission number, 2-4 cr

### 7794 Master's Project: Public Health Administration and Policy
- (max crs 3; S-N only; prereq Public health administration/policy major, instr consent)
- 7794 001 LEC, Blewett, Lynn Ann, 2-4 cr

### 7919 Directed Research: Environmental Health
- (max crs 6; prereq instr consent)
- 7919 001 DRS, Adjutant, John L, 1-6 cr

### 8140 Validity Concepts in Epidemiologic Research
- (prereq 5106, one course in biochem, one course in molecular biol) or instr consent
- 8140 001 LEC, 05:45pm-07:40pm Th, Mayo C381; Toscano Jr, William L, 2 cr

### 8161 Current Literature in Toxicology
- (max crs 3; 3 repeats allowed; S-N only; prereq 5104)
- 8161 001 DST, Petersen, Lisa Ann, 1 cr

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

### 8377 Seminar: Chronic Disease and Behavioral Epidemiology
- (max crs 3; S-N only; prereq Epi grad major or instr consent)
- 8377 001 THE, Environmental Health, 1 cr

### 8392 Readings in Clinical Research
- (max crs 4; 4 repeats allowed; prereq Clinical research major, instr consent)
- 8392 001 DRD, To register, contact Kathryn Schwartz at gradstudies@epi.umn.edu for a permission number, 1-4 cr

### 8393 Directed Study: Clinical Research
- (max crs 20; 20 repeats allowed; prereq Clinical research major, instr consent)
- 8393 001 DST, To register, contact Kathryn Schwartz at gradstudies@epi.umn.edu for a permission number, 1-4 cr

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This information is accurate as of: 4/22/2005
8429 Probability Models for Biostatistics
 prerequisites: 8240, Stat 5211, advanced
  prereq: 8420, Stat 5220, or instruction consent
  max crs: 3, 10 repeats allowed; prereq: 8410, Stat 5220,
  or instruction consent

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

20284 001 THE, Biostatistics, 1 cr
  max crs: 10, 10 repeats allowed; prereq: 8430, Stat 5220,
  or instruction consent

8472 Spatial Biostatistics
 prerequisites: Stat 5211, Stat 5212, some experience
  with R plus [Stat 5470 or Stat 5431], Stat 8311

26363 001 LEC, 11:15am-12:30pm TTh, Mamo A389;
  Prereq: Stat 5211, Stat 5212, and some experience
  with R plus [Stat 5470 or Stat 5431], Stat 8311

8989 Directed Research: Health Services Research, Policy, and Administration
 prerequisites: max crs: 5, 10 repeats allowed; prereq: HSRPA grad
  student, instr consent

19125 001 LEC, 02:00pm-04:00pm MW, Room RSA;
  OFCMPTC: Fairview-University Medical
  Center, Unit JJ-245; Prereq: registration call
  612-624-4000 and ask for an academic adviser
  working with the Radiation Therapy major;
  Wolla, Jodie L, 1 cr

3130 Radiation Therapy: Principles of Oncology I
(A-F only)
  19142 001 LEC, 02:00pm-04:00pm MW, Room RSA;
  OFCMPTC: Fairview-University Medical
  Center, Unit JJ-245; Prior to registration call
  612-624-4000 and ask for an academic adviser
  working with the Radiation Therapy major;
  Wolla, Jodie L, 1 cr

3132 Radiation Therapy: Medical Oncology
(A-F only; prereq: 3131, dept consent)
  23499 001 LEC, 02:00pm-04:00pm MW, Room RSA;
  OFCMPTC: Fairview-University Medical
  Center, Unit JJ-245; Prior to registration call
  612-624-4000 and ask for an academic adviser
  working with the Radiation Therapy major;
  Wolla, Jodie L, 1 cr

3171 Radiation Therapy: Clinical Radiation I
(max crs: 7; A-F only)
  19143 001 LEC, meets in Fairview University Medical
  Center, rm 1-243; Wolla, Jodie L, 6 cr

3174 Radiation Therapy: Clinical Radiation IV
(A-F only; prereq: 3171, 3172, 3173, dept consent)
  23497 001 LEC, Fairview-University Medical
  Center, Unit JJ-245; Prior to registration call 612-624-
  4000 and ask for an academic adviser working
  with the Radiation Therapy major; Wolla, Jodie L, 6 cr

RADIOLOGY (Rad)
2-300 Fairview University Medical Center (Box 292), 516 Delaware Street
SE, East Bank Campus, Minneapolis, MN, 55455
612/626-6004, http://www.drad.umn.edu

College of Continuing Education

2020 Radiation Therapy: Radiation Exposure, Imaging, Safety, and Basic Care Lab
(A-F only; prereq: 2001, BAS student in radiation therapy program, dept consent)
  2006 001 LEC, 09:00am-09:45am MW, Room RSA;
  OFFCMPTC: Lab meets twice on Sat., 9/11/04
  and Sat., 9/18/04 at Fairview University Medical
  Center, Room TBA; Wolla, Jodie L, 1 cr

3001 Radiation Therapy: Introduction to Radiation Therapy
(A-F only)
  19141 001 LEC, meets at Fairview University Medical
  Center, rm 1-243; Wolla, Jodie L, 1 cr

3120 Radiation Therapy: Radiation Physics I
(A-F only)
  25595 001 LEC, 01:00pm-02:00pm MW, Room RSA;
  OFFCMPTC: Fairview-University Medical
  Center, Unit JJ-245; Prior to registration call
  612-624-4000 and ask for an academic adviser
  working with the Radiation Therapy major;
  Gerbi, Bruce John, Higgins, Patrick Dennis;
  Alavi, Parham, Paramasivam, K, 3 cr

3122 Radiation Therapy: Advanced Dosimetry
(A-F only; prereq: dept consent)
  2498 001 LEC, 12:30pm-01:45pm MW, Room RSA;
  Difficult, 3 cr

This information is accurate as of: 4/22/2005
This information is accurate as of: 4/22/2005
University of Minnesota – Class Schedule for Twin Cities Campus  

Fall 2005

(A-F only; prereq credit will not be granted if credit has been received for Russ 3311, Russ 3312; Russ maj, instr consent)

20585  001 DRS, 3-4 cr

3421 Literature: Middle Ages to Dostoevsky in Translation
(Credit will not be granted if credit has been received for: RUSS 3421; meets CLE req of Literature Core)

13827  001 LEC, 12:45pm-02:00pm TTh, NCCE 229; Meets with: 13828 RUSS 3421; Jahn, Gary R, 3 cr

3512 Russian Art and Culture from Peter I to the Present
(meets CLE req of Other Humanities Core)

22715  001 DIS, 06:29pm-08:50pm T, Folli 50; Corten, Iria H, 3 cr

3993 Directed Studies
(max crs 4; prereq instr consent, dept consent, college consent)

14972  001 DST; Corten, Iria H, 1-4 cr

25848  002 DST; Jahn, Gary R, 1-4 cr

31397  003 DST; Polakiewicz, Leonard Anthony, 1-4 cr

5421 Literature: Middle Ages to Dostoevsky in Translation
(Credit will not be granted if credit has been received for: RUSS 3421)

13828  001 LEC, 12:45pm-02:00pm TTh, NCCE 229; Meets with: 13827 RUSS 3421; Jahn, Gary R, 3 cr

5993 Directed Studies
(max crs 16; 4 repeats allowed; prereq instr consent, dept consent, college consent)

14973  001 DST; Corten, Iria H, 1-4 cr

25849  002 DST; Jahn, Gary R, 1-4 cr

31398  003 DST; Polakiewicz, Leonard Anthony, 1-4 cr

RUSSIAN AREA STUDIES (RAS)

214 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-9007, http://igs.cla.umn.edu

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

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

20095  001 DRS, 1 cr

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

20556  001 THE, 1-8 cr

SCANDINAVIAN (Scan)

205 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-2080, http://www.folwell.umn.edu/gsd/

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/ 

3011 Readings in Scandinavian Languages (prereq [Dan or Nor or Swed][1004 or 4004] or instr consent)

26707  001 DIS, 12:20pm-02:15pm MW, 1701 Univ 208; Holm, Carsten, 4 cr

3502 Scandinavian Myths
(meets CLE req of Literature Core)

31183  001 LEC, 06:30pm-08:05pm W, 1701 Univ 143; 7 seats reserved for non-PSEO, non-admitted student; Meets with: 28711 MEST 3610; Liberman, Anatoliy, 3 cr

3601 Great Literary Works of Scandinavia
(meets CLE req of Literature Core)

22632  001 DIS, 12:45pm-02:00pm TTh, 1701 Univ 208; Zargar, Monika, 3 cr

3993 Directed Studies
(max crs 12; 12 repeats allowed; prereq instr consent, dept consent, college consent)

16128  001 DRS, 1-4 cr

5502 The Icelandic Saga

31184  001 DIS, 02:00pm-03:45pm TTh, PeikH 335; Meets with: 21467 MEST 5610; Grimstad, Kären E, 3 cr

5613 Contemporary Scandinavian Literature

31185  001 LEC, 02:30pm-03:45pm TTh, Room TBA, TCEASTBANK; Houe, Poul, 3 cr

5701 Old Norse Language and Literature

26542  001 DIS, 11:15am-12:30pm TTh, PeikH 335; Meets with: 22922 MEST 5610; Grimstad, Kären E, 3 cr

5993 Directed Studies
(max crs 12; 12 repeats allowed; prereq instr consent, dept consent, college consent)

16129  001 DST; Karvonen, Daniel, 1-4 cr

8994 Directed Research
(max crs 12; 12 repeats allowed; prereq instr consent; may be taken as tutorial with instr consent, dept consent)

16273  001 DRS, 1-3 cr

SCIENTIFIC COMPUTATION (SciC)

4-192 EE/CSci Building, 200 Union Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-4002

Institute of Technology

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/ 

8001 Parallel High-Performance Computing
(prereq Undergrad degree in field using sci comp or instr consent)

21310  001 LEC, 06:30pm-07:45pm TTh, EE/CSci 2-260; Troullier, Norman J, 3 cr

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

20101  001 DRS, 1 cr

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

16292  001 THE, 1 cr

8594 Scientific Computation Directed Research
(max crs 9; 9 repeats allowed; prereq Undergrad degree in field using sci comp or instr consent)

16520  001 DRS, 1-4 cr

8666 Doctoral Pre-Thesis Credits
(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

22594  001 THE, 1-24 cr

SOCIAL, ADMINISTRATIVE, AND CLINICAL PHARMACY (SACP)

5-110 Beaver-Densford Hall, 308 Harvard Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-9490, http://www.pharmacy.umn.edu/resgrad/sacp/SAPhTrack

College of Pharmacy

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/ 

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

22590  001 DRS, 1 cr

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

22591  001 DRS, 1 cr

8666 Doctoral Pre-Thesis Credits
(max crs 60; 4 repeats allowed; NGA; prereq Doctoral student who has not passed prelim oral)

22592  001 THE, 1-18 cr

8777 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA; prereq Plan A)

22593  001 THE, 1-18 cr

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

22594  001 THE, 1-24 cr

SOCIAL AND ADMINISTRATIVE PHARMACY (SACP)

7-155 Beaver-Densford Hall, 308 Harvard Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-2973, http://www.pharmacy.umn.edu/resgrad/sacp/SAPhTrack

College of Pharmacy

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/ 

8034 Advanced Studies in Pharmaceutical Care Practice
(A-F only)

31371  001 SEM; Strand, Linda Mae, 4 cr

8100 Seminar
(max crs 8; 8 repeats allowed; prereq Grad SAPh major or instr consent)

16392  001 SEM; 03/06/05-12/16/05; Meets with: 17802 PHAR 62508; Schommer, Jon C, 1 cr

8200 Research Problems
(max crs 16; 16 repeats allowed; prereq Grad SAPh major or instr consent)

17184  001 DRS, 1-8 cr

8235 Pharmaceutical Economics and Policy
(A-F only; prereq Grad SAPh major or instr consent)

24734  001 LEC; Cline, Richard R, 3 cr

This information is accurate as of: 4/22/2005

179
1905 Freshman Seminar
(A-F; prereq Freshman or less than 30 credits)

32568 001 SEM, 01:25pm-04:00pm Th, Room TBA;
Aminzade, Ron R, 3 cr; The Civil Rights, Labor,
and Women's Movement

3090 Topics in Sociology
(prereq Soc wk PhD student or instr consent)

32535 002 LEC, 05:30pm-08:00pm W, BlegH 225; 4 cr

8875 Research Practicum
(max crs 3; 6 repeats allowed; S-N only;
prereq Soc wk PhD student or instr consent)

21429 001 DIS, 08:30am-10:00am T, PetH 205;
STPAUL, 3 cr

19655 001 THI, 1-24 cr

SOCILOGY (Soc)
909 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-4300, http://www.soc.umn.edu

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/626-6000, www.bookstore.umn.edu

1001 Introduction to Sociology
(Credit will not be granted if credit has been received for: SOC 1011V, SOC 1012W;
meets CLE req of Social Science Core)

32569 001 LEC, 07:00am-10:00am TTh, BlegH 215; 4 cr

3201 Inequality: Introduction to Stratification
(prereq [1001 or equiv]; soc majors must register A-F)

13731 003 LEC, 05:30pm-08:50pm Th, BlegH 225; 4 cr

3211W American Race Relations
(A-F only; meets CLE req of Social Science Core; meets CLE req of Writing Intensive)

13732 001 LAB, 03:15pm-06:15pm Th, BlegH 225; 2 cr

3101 Introduction to the American Criminal Justice System
(A-F only; prereq credit will not be granted if credit has been received for: SOC 3111;
meets CLE req of Citizenship/ PubHlcs Theme; meets CLE req of Writing Intensive)

13670 001 LEC, 06:00pm-09:00pm Th, AndH 205; 3 cr

3212 Sociology of Gender
(Credit will not be granted if credit has been received for: WOST 3211; A-F only;
prereq 1001 or instr consent)

33318 001 LEC, 06:00pm-09:00pm Th, Room TBA;
TCEASTBANK, 3 cr

3215W Sociological Perspectives on Race, Class, and Gender
(Credit will not be granted if credit has been received for: AFRO 3251W; A-F only;
meets CLE req of Citizenship/ PubHlcs Theme; meets CLE req of Writing Intensive)

13733 002 LEC, 05:30pm-08:50pm Th, BlegH 225; 4 cr

13734 Principles of Social Psychology
(prereq [1001 or instr consent])

15388 001 LEC, 08:15am-09:30am Th, BlegH 150, 3 cr

3810W Sociological Research Methods
(prereq [1001, Soc major] or instr consent; meets CLE req of Writing Intensive)

181 3001 2001 DIS, 11:00am-12:00pm F, BlegH 210; 4 cr

13631 023 DIS, 08:00am-08:50am Th, BlegH 225, 4 cr

13632 024 DIS, 09:00am-09:50am F, BlegH 210, 4 cr

5030 LEC, 05:40pm-08:15pm W, AndH 270;
Begemann, Jeffrey P., 3 cr

13634 5031 DIS, 08:30pm-09:20pm W, BlegH 210; 1 seat reserved for non-PSEO, admitted student, 3 cr

13635 5032 DIS, 08:30pm-09:20pm W, BlegH 430, 4 cr

13636 5033 DIS, 08:30pm-09:20pm W, BlegH 210; 1 seat reserved for non-PSEO, admitted student, 3 cr

13637 5034 DIS, 04:40pm-05:30pm W, BlegH 115; 15 seats reserved for non-PSEO, admitted student, 3 cr

22234 5035 DIS, 04:40pm-05:30pm W, BlegH 205, 4 cr

22235 5036 DIS, 04:40pm-05:30pm W, BlegH 225, 4 cr

1011V Honors: Introduction to Sociology
(Credit will not be granted if credit has been received for: SOC 1011, SOC 1012W;
prereq honors; meets CLE req of Cultural Diversity Theme; meets CLE req of Social Science Core; meets CLE req of Writing Intensive;
meets HON req of Honors)

18842 001 LEC, 12:00pm-12:51pm W, BlegH 210; Gearitz, Joseph Howard, 4 cr
SOIL, WATER, AND CLIMATE (Soil)
439 Borlaug Hall, 1991 Upper Buford Circle, St Paul Campus, St Paul, MN, 55108
College of Agricultural, Food, & Envrn Sciences

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN 55105, 612/624-9200, www.bookstore.umn.edu/1125
The Soil Resources Major
(Credit will not be granted if credit has been received for: SOIL 2125, SOIL 5125, AGUM 2251; meets CLE req of Environment Theme; meets CLE req of Physical Science/Lab Core)
9001 LEC, 06:20pm-09:00pm M, BorH 375, STPAUL, Meets with 15361 SOIL 5125; Cooper, Terence H
14651 LAB, 06:20pm-09:00pm W, BorH 365, STPAUL, Meets with 18140 SOIL 5125; Cooper, Terence H, 4 cr
2125 Basic Soil Science

SOFTWARING ENGINEERING (SEng)
510 WOB, 1300 South 2nd Street, West Bank Campus, Minneapolis, MN, 55455
612/624-5747, http://www.cdtl.umn.edu
Institute of Technology

8001 Sociology as a Profession (max crs 2; S-N only; prereq Grad soc major)
8011 Sociology of Higher Education: Theory and Practice (prereq Grad soc major or instr consent)
8090 Topics in Sociology (max crs 12; 4 repeats allowed; prereq instr consent)
8233 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
8390 Topics in Political Sociology (max crs 12; 4 repeats allowed; prereq instr consent)
8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
8635 Advanced Topics in Social Organization (max crs 12; 4 repeats allowed; prereq instr consent)
9851 Sociology of the Family
15389 001 SEM, 12:45pm-03:15pm Th, Room TBA; 15 seats reserved for Soc grad student; Savelsberg, Joachim J, 3 cr
1777 Thesis Credits: Master's (max crs 10; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
19102 001 BRB, 1-24 cr
8890 Advanced Topics in Research Methods (max crs 12; 4 repeats allowed; prereq Grad soc major, 8801, 8911 or instr consent)
This information is accurate as of: 4/22/2005
### University of Minnesota – Class Schedule for Twin Cities Campus

**Fall 2005**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Title</th>
<th>Type</th>
<th>Instructor</th>
<th>Credits</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>15563</td>
<td>Technology (web-based) section, 5 cr</td>
<td>LEC</td>
<td>Kolt, Michael</td>
<td>5 cr</td>
<td>S140</td>
</tr>
<tr>
<td>15564</td>
<td>Technology (web-based) section, 5 cr</td>
<td>LEC</td>
<td>Lopez, Maria Emilce</td>
<td>5 cr</td>
<td>S140</td>
</tr>
<tr>
<td>15565</td>
<td>Technology (web-based) section, 5 cr</td>
<td>LEC</td>
<td>McCallum, Thomas Richard</td>
<td>5 cr</td>
<td>S140</td>
</tr>
<tr>
<td>15566</td>
<td>Technology (web-based) section, 5 cr</td>
<td>LEC</td>
<td>Spadaccini, Nicholas</td>
<td>5 cr</td>
<td>S140</td>
</tr>
<tr>
<td>15567</td>
<td>Technology (web-based) section, 5 cr</td>
<td>LEC</td>
<td>Ganley, Kathleen Marie</td>
<td>5 cr</td>
<td>S140</td>
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</table>

**310W Introduction to the Study of Hispanic Civilizations**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Title</th>
<th>Type</th>
<th>Instructor</th>
<th>Credits</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>15520</td>
<td>Alternate Second-Semester Spanish (A-F only; prereq Fr with no more than 29 cr)</td>
<td>LEC</td>
<td>Matos-Schultz, Frances Marie</td>
<td>5 cr</td>
<td>S140</td>
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**1014 Business Spanish**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Title</th>
<th>Type</th>
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<th>Credits</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>15521</td>
<td>Issues in Hispanic Cultures</td>
<td>DIS</td>
<td>Saar, Amy Lynn</td>
<td>3 cr</td>
<td>S140</td>
</tr>
</tbody>
</table>

**1017W Topics: Freshman Seminar**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Title</th>
<th>Type</th>
<th>Instructor</th>
<th>Credits</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>15522</td>
<td>Service Learning in the Chicano/Latino Community</td>
<td>LEC</td>
<td>Ferran, Lynn</td>
<td>3 cr</td>
<td>S140</td>
</tr>
</tbody>
</table>

**184**

*This information is accurate as of: 4/22/2005*
The MAN OF LA MANCHA and Quixotic Discourse
(meets CLE req of Literature Core)
29853 001 LEC, 11:15am-12:30pm TTh, Folli 12; Spadaccini, Nicholas, 3 cr
Sociolinguistics of the Spanish-Speaking World
(Credit will not be granted if credit has been received for: SPAN 3704H; prereq 3107)
29855 001 LEC, 01:25pm-02:15pm M, Folli 340; Ramos-Garcia, Luis A, 3 cr
The Language of the Reconquest and Feudal Spain
(prereq three 3xxx or 5xxx literature courses in Spanish or instr consent)
29858 001 LEC, 02:00pm-05:00pm M, Folli 116; Weissberger, Barbara F, 3 cr
Contemporary Spanish Literature Since 1915
(prereq three 3xxx or 5xxx literature courses in Spanish or instr consent)
29859 001 LEC, 02:00pm-05:00pm M, Folli 116; Ferran, Ofelia, 3 cr
Creole Consciousness and Mercantilist Culture
(prereq three 3xxx or 5xxx literature courses in Spanish or instr consent)
29860 001 LEC, 02:00pm-05:00pm T, Folli 116; Jara, Rene, 3 cr
Spanish: Theory and Practice
(prereq three 3xxx or 5xxx literature courses in Spanish or instr consent)
26517 001 LEC, 02:45pm-02:00pm MW, Folli 114; Ocampo, Francisco Antonio, 3 cr
Directed Readings
(max crs 9; 9 repeats allowed; prereq MA or PhD candidate, instr consent, dept consent, college consent)
19504 001 DRD; Face, Timothy L, 1-4 cr
25390 002 DRD; Ferran, Ofelia, 1-4 cr
25391 003 DRD; Jara, Rene, 1-4 cr
25392 004 DRD; Klee, Carol Anne, 1-4 cr
25394 006 DRD; Ocampo, Francisco Antonio, 1-4 cr
25395 007 DRD; O‘Connell, Joanna, 1-4 cr
25396 008 DRD; Ramos-Garcia, Luis A, 1-4 cr
25397 009 DRD; Ramos-Garcia, Nicholas, 1-4 cr
25399 011 DRD; Weissberger, Barbara F, 1-4 cr
3337 FTE: Doctoral
(max crs 9; 9 repeats allowed; prereq MA or PhD candidate, instr consent, dept consent, college consent)
20106 001 THE, 1 cr
8444 FTE: Doctoral
(Credit will not be granted if credit has been received for: SPAN 3972W; A-F only; prereq 3972W, 3974, 31 cr of 3xxx, honors, dept consent; meets CLE req of Writing Intensive; meets HON req of Honors)
29856 001 SEM, 12:20pm-01:50pm Th, Room TBA; Meets with: 29866 SPAN 3972W; Ramos-Garcia, Luis A, 3 cr
3972W Graduation Seminar
(Credit will not be granted if credit has been received for: SPAN 3972W; A-F only; prereq = 3972W, 3974, 31 cr of 3xxx, instr consent; meets CLE req of Writing Intensive)
29866 001 SEM, 12:20pm-01:50pm Th, Room TBA; Meets with: 29866 SPAN 3972W; Ramos-Garcia, Luis A, 3 cr
The Teaching of College-Level Spanish: Theory and Practice
(prereq Grad or instr consent)
15139 001 LEC, 10:10am-11:25am MW, Folli 134; Klee, Carol Anne; Villar PhD, Susan McMillen, 3 cr
Spanish Seminar
(max crs 9; 3 repeats allowed; prereq Span 5xxx series required for MA or instr consent)
29864 001 SEM, 02:00pm-05:00pm F, Folli 114; "Feminist Approaches in Spanish: Latin American and Latina/Chicana Studies"; Meets with: 32638 WOST 8490; O‘Connell, Joanna, 3 cr
SPANISH AND PORTUGUESE (SpPt)
34 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5888, http://spanport.cla.umn.edu
College of Liberal Arts
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/
STUDIES OF SCIENCE AND TECHNOLOGY (SST)

309 Ford Hall, 224 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6635

Institute of Technology

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

8000 Colloquium
(max crs 3; S-N only; prereq Grad SST major)

18895 001 COL, 03:35pm-05:30pm F, Phys 131, 1.50 cr

TECHNOLOGY (SST)

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

8000 Colloquium
(max crs 3; S-N only; prereq Grad SST major)

18895 001 COL, 03:35pm-05:30pm F, Phys 131, 1.50 cr

SUSTAINABLE AGRICULTURAL SYSTEMS (SAgr)

411 Borlaug Hall, 191 Upper Buford Circle, St Paul Campus, St Paul, MN, 55108

College of Agricultural, Food, & Envirn Sciences

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN 55108, 612/624-9200, www.bookstore.umn.edu/

8010 Colloquium in Sustainable Agriculture
(A-F only; prereq Coursework in biological or social sciences that provides intro to ag practices or issues)

31292 001 COL, 11:50am-01:45pm Th, BorH 306, STPAUL; Meets with: 31287 AGRO 4888; Sheaffer, Craig Charles, 2 cr

8020 Field Experience in Sustainable Agriculture
(max crs 3; S-N only; prereq Coursework in biological or social sciences that provides intro to ag practices or issues)

15473 001 IEX; Jordan, Nicholas Royal, 1-4 cr

SWEDISH (Swed)

205 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-2080, http://www.folwell.umn.edu/gsd/

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

8010 Colloquium in Sustainable Agriculture
(A-F only; prereq Coursework in biological or social sciences that provides intro to ag practices or issues)

31292 001 COL, 11:50am-01:45pm Th, BorH 306, STPAUL; Meets with: 31287 AGRO 4888; Sheaffer, Craig Charles, 2 cr

8020 Field Experience in Sustainable Agriculture
(max crs 3; S-N only; prereq Coursework in biological or social sciences that provides intro to ag practices or issues)

15473 001 IEX; Jordan, Nicholas Royal, 1-4 cr

This information is accurate as of: 4/22/2005

188
Bank Campus, Minnesota, MN 55455
612-625-6699, http://cla.umn.edu/theatre

College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612-625-6000, www.bookstore.umn.edu

1101V Honors Section: Introduction to the Theatre

(A-F; prereq = 1101 W; honors; meets CLE req of International Perspectives Theme; meets CLE req of Literature Core; meets CLE req of Writing Intensive; meets HON req of Honors)

001 L

EC, 11:15am-12:30pm T, RarigC 185; Meets with: 13278 TH 1101 W; Kuhn, Sonja

21871

081 DS, 11:15am-12:30pm Th, RarigC 64, 6 cr

23490

082 DS, 11:15am-12:30pm Th, RarigC 75; For freshman "classes in common" students, 4 cr

1101W Introduction to Theatre

(meets CLE req of International Perspectives Theme; meets CLE req of Literature Core; meets CLE req of Writing Intensive)

001 L

EC, 11:15am-12:30pm T, RarigC 185; Meets with: 21870 TH 1101 V; Kuhn, Sonja

21872

082 DS, 11:15am-12:30pm Th, RarigC STUDU-3, 4 cr

18203

001 L

EC, 11:15am-12:30pm Th, RarigC 185, 4 cr

20173

003 DS, 11:15am-12:30pm Th, RarigC 90, 4 cr

20174

004 DS, 11:15am-12:30pm Th, RarigC 20, 8 seats reserved for PSE03, 4 cr

20176

005 DS, 11:15am-12:30pm Th, RarigC 190, 4 cr

20177

007 DS, 11:15am-12:30pm Th, RarigC 185, 4 cr

1102 Drama and the Media

(meets CLE req of Cultural Diversity Theme; meets CLE req of Other Humanities Core)

26686

001 IEX, 03:35pm-05:30pm MW, 1701 Univ 108; Anderson, Michael Einar, 4 cr

17947

003 IEX, 03:35pm-05:30pm MW, 1701 Univ 108; Anderson, Michael Einar, 4 cr

3501 Practical Language Learning for International Communication

23591

001 LEC, 02:30pm-03:45pm TTh, CivilE 212; Cohen, Andrew D, 3 cr

5101 Academic Writing in TESOL

(S-N only; prereq 1101 or concurrent registration 1101)

26690

001 LEC, 09:45am-11:00am MW, RarigC 90; Goranson, Brian Joy, 3 cr

18959

002 LEC, 12:45pm-02:00pm MW, RarigC 90, 3 cr

18979

003 LEC, 09:45am-11:00am W, RarigC 10; Goranson, Brian Joy, 3 cr

1301 Acting/Non-Majors

14994

001 LEC, 04:00pm-05:15pm T, NCCE 229; Seifert, Luverne G, 3 cr

14995

002 LEC, 04:00pm-05:15pm T, NCCE 229; Seifert, Luverne G, 3 cr

5721 Methods in Teaching English as a Second Language

(prereq Ling 3001 or Ling 5001 or instr consent)

25218

001 STU, 03:45pm-05:30pm Th, ILC 27; Anderson, Michael Einar, 3 cr

25220

002 STU, 02:00pm-03:00pm MW, RarigC 10, 01:25pm-02:15pm F, RarigC 20; Anderson, Michael Einar, 3 cr

1191W Freshman Seminar: Theatre, Entertainment With Attitude

(A-F only; prereq Freshman Seminar with no more than 3 cr; meets CLE req of Writing Intensive)

25282

001 STU, 01:45pm-06:30pm T, RarigC 10, 03:15pm-06:30pm W, RarigC 20, 05:15pm-06:30pm F, RarigC 20; Mitchell, Kenneth N, 3 cr

2392 BFA Voice and Speech III

(A-F only; prereq BFA student in theatre arts)

25221

001 STU, 01:25pm-04:00pm T, RarigC 10, 03:00pm-05:30pm Th, RarigC 10, 01:25pm-03:00pm F, RarigC 20; Carlson, Madrid Elisa, 2 cr

2393 BFA Movement III

(A-F only; prereq BFA student in theatre arts)

25229

001 STU, 01:25pm-03:00pm W, People Ctr GYM, 01:25pm-02:45pm Th, People Ctr GYM, 03:00pm-05:00pm F, People Ctr GYM; Lorca, Marcella, 3 cr

3100 Theatre Practicum

(max crs 4; 4 repeats allowed; S-N only; prereq 1101; only 2 enrollments as actor may count toward degree)

21506

001 LAB, In addition to the practicum requirements, all students are required to attend two MANDATORY meetings: Tues, Sep 6, 2005, 5:45pm - 7:00pm, and Tues, Dec 13, 2005, 5:45pm - 7:00pm in RarigC 190; Gwynn, Martin Bruce, 1 cr

3115 Introduction to Playwriting

18988

001 LAB, 01:25pm-04:00pm F, RarigC 550B, 3 cr

3171 History of the Theatre: Ancient Greece Through Neo-Classicism

(prereq Th major or instr consent)

26524

001 LEC, 01:25pm-02:45pm Th, Bagley 150; 20 seats reserved for Theater BFA students; Jakovesj, Branislav, 3 cr

3314 Text and the Actor

(A-F only; prereq Theatre 1101; 1321, 1322)

21825

001 LEC, 09:05am-11:00am Th, RarigC 10; Nash, Elizabeth H, 3 cr

21826

002 LEC, 09:05am-11:00am MW, HHCTR 30; Nash, Elizabeth H, 3 cr

3262 Stanislavski and Techniques for Characterization

(prereq 1322, 3314 or concurrent enrollment 3314), audition

15401

001 LET, 10:10am-12:05pm MW, RarigC 10; Kingsley, Barbara, 3 cr

3331 Physical Approaches to Acting

(prereq 1322, 3314 or concurrent registration is required (or allowed) in (3314), audition)

23037

001 LET, 03:35pm-05:30pm MW, People Ctr GYM; Seifert, Luverne G, 3 cr

3503 Design and Technical Production I: BFA

(prereq credit will not be granted if credit received for: 3513; BFA theatre arts student)

23593

001 LEC, 11:15am-01:10pm MW, RarigC 210, 11:15am-01:45pm T, RarigC 279; Meets with: 15428 H 3531; Henry, Brent A, Brockman, C Lance, 3 cr

3513 Design and Technical Production I (prereq 1011; BFA registration permitted.)

EC, 11:15am-01:10pm MW, RarigC 210, 11:15am-01:45pm T, RarigC 279; Lab section 012 requires permission from the instructor in order to register for specific running or load-in/strike crew laboratories.; Meets with: 23593

189
4391  BFA Workshop II  (A-F only; prerequisite BFA student in theatre arts)  
25225  001 STU, 02:00pm-05:00pm M, RarigC 130; 02:00pm-06:00pm M, RarigC 190; SCENERY/PROPS;  
Henri, Brent A; Brockman, C Lance, 4 cr

4393  BFA Rehearsal and Performance III (A-F only; prerequisite student in theatre arts)  
25226  001 STU, 06:30pm-10:30pm MTTHF, RarigC STUDIO-A; 09/06/05-10/24/05; 07:30pm-10:30pm W, RarigC STUDIO-A; 09/06/05-10/24/05, 10:00am-05:00pm S, RarigC STUDIO-A; 09/06/05-10/24/05; Mitchell, Kenneth N, 2 cr

4394  BFA Rehearsal and Performance IV (A-F only; prerequisite BFA student in theatre arts)  
25227  001 STU, 06:30pm-10:30pm MTTHF, RarigC STUDIO-A; 10/25/05-12/14/05, 07:30pm-10:30pm W, RarigC STUDIO-A; 12/14/05, 10:00am-05:00pm S, RarigC STUDIO-A; 10/25/05-12/14/05; Mitchell, Kenneth N, 2 cr

4532  Makeup for the Actor  
25316  001 LEC, 09:00am-12:00pm F, RarigC 64; Bundick, Therese Jane, 2 cr

4550  Video Technology  
25308  001 LAB, 01:20pm-06:10pm MW, RarigC; 09/06/05-05/13/06; 05:00pm-05:30pm Th, RarigC STUDIO B; Gwinup, Martin Bruce, 3 cr

5405  Senior Seminar  
15409  001 LEC, 03:15pm-05:30pm TTh, RarigC 185; 
Topic: preq - Th 3314 or instructor consent; Whitney, Joanne A, 4 cr

4905H  Honors: Tutorial Seminar in Theatre Arts  
15410  001 LEC, 03:00pm-05:00pm M, RarigC 275; 
Topic: preq - Th 3314 or instructor consent; Whitney, Joanne A, 4 cr

8444  FTE: Doctoral  
1800  001 STU, 06:30pm-10:30pm MTTHF, RarigC STUDIO-A; Doctoral student, adviser and DGS consent.

8333  FTE: Master's  
8100  001 STU, 06:30pm-10:30pm MTTHF, RarigC STUDIO-A; Master's student, adviser and DGS consent.

1011  001 STU, 06:30pm-10:30pm MTTHF, RarigC STUDIO-A; Theatre Practicum (max crs 20; 20 repeats allowed; prerequisite instructor consent, dept consent, college consent)

15421  001 DST, 1-1  

15422  001 PRC, 1-4 cr

15423  001 PRC, 1-4 cr

8102  001 STU, 06:30pm-10:30pm MTTHF, RarigC STUDIO-A; History and Theory of Western Theatre: Ancient World and Early Medieval  
31429  001 SEM, 01:25pm-03:20pm Th, RarigC 550B; 09/06/05-05/13/06; 12:00pm-02:00pm Th, RarigC STUDIO-A; 11:15am-01:10pm MW, RarigC 230; Lefebvre, Michael J, 3 cr

8333  FTE: Master's  
RGA: Master's student, adviser and DGS consent.

20111  001 THE, 1 cr

8444  FTE: Doctoral  
(NGA, prerequisite Doctoral student, adviser and DGS consent)
THERAPEUTIC RADIOLOGY (TRad)
M-26 Masonic Cancer Ctr (Box 494),
424 Harvard Street SE, East Bank
Campus, Minneapolis, MN, 55455
612/626-6700,
http://www.med.umn.edu/trad/

Medical School
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/626-6000, www.bookstore.umn.edu/

7170 Basic Radiological Physics
(Credit will not be granted if credit has been received for: BPHY 5170; NGA)
19450 001 LEC; 04:00pm-05:15pm M, Room TBA; FUMC 1-243; Gerbi, Bruce John, 3 cr

7172 Radiation Biology
(Credit will not be granted if credit has been received for: BPHY 5172; HNV)
19444 001 LEC; 04:00pm-05:15pm M, Room TBA, TCEASTBANK; Library; Mees with: 23900 BPHY 5172; Song, Chang W, 3 cr

7300 Radiation Therapy
(max crs 15; NGA)
19460 001 LEC; 09:06am-12:14pm T, Room TBA; TCEASTBANK; Library; Mees with: 23900 BPHY 5172; Song, Chang W, 3 cr

7340 Special Problems in Radiation Therapy
(max crs 15; HNV)
19459 001 LEC; Dusenbery, Kathryn E; Lee, Chung Kyu; Omer, James B, 1-15 cr

7440 Special Problems in Radiological Physics
(HNV)
19445 001 LEC; Gerbi, Bruce John, 1-15 cr

7505 Extremity in Radiation Oncology
(HNV)
19455 001 CLN; Dusenbery, Kathryn E; Lee, Chung Kyu; Omer, James B, 5 cr

7507 Advanced Extremity in Radiation Oncology
(HNV)
19457 001 CLN; Dusenbery, Kathryn E; Lee, Chung Kyu; Omer, James B, 6 cr

7510 Radiation Oncology Clinical Research (HNV)
19446 001 DRS; Lee, Chung Kyu, 6 cr

7511 Outpatient Diagnosis, Evaluation and Treatment of Adults and Children with Cancer

TOXICOLOGY (Txet)
244 Veterinary Diagnostic Lab, 1333
Gortner Ave, St Paul Campus, St Paul, MN, 55108
612/625-8878
College of Veterinary Medicine
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/626-6000, www.bookstore.umn.edu/

19451 001 CLN; Lee, Chung Kyu; Ramsay, Norma KC, 6 cr

5783 Fundamentals of Clinical Oncology
(HNV; prereq Med 7500 or Ped 7501)
19372 001 CLN; Petersen, Bruce A, 4 cr

8204 Tumor Clinic Conference
19456 001 LEC; Dusenbery, Kathryn E; Lee, Chung Kyu; Omer, James B, 0 cr

8240 Radiation Therapy Conference
19458 001 LEC; Lee, Chung Kyu; Orner, James B; Dusenbery, Kathryn E, 0 cr

8310 Fundamentals of Radiation Therapy
19461 001 LEC; Lee, Chung Kyu; Dusenbery, Kathryn E; Omer, James B, 1 cr

8315 Radiation Therapy Pathology
21208 001 LEC, 0 cr

8320 Radiation Therapy Treatment Planning Problems
19447 001 LEC; Omer, James B, 1 cr

8325 Radiation Therapy Pediatrics Oncology
19449 001 LEC; Dusenbery, Kathryn E; 1 cr

8350 Research: Radiation Therapy
(max crs 15)
19454 001 LEC; Dusenbery, Kathryn E; Lee, Chung Kyu; Omer, James B, 1-15 cr

8450 Research: Radiation Biology
(max crs 15)
19452 001 LEC; Drayseur, E; Russell; Song, Chang W, 1-15 cr

8550 Research: Radiological Physics
(max crs 15)
19453 001 LEC; Gerbi, Bruce John, 1-15 cr

TMJ/CRANIOFACIAL PAIN (TMJP)
15-209 Malcolm Moos Health Sciences
Tower, 515 Delaware Street SE, East Bank
Campus, Minneapolis, MN, 55455
612/625-9982,
http://www.dentistry.umn.edu

School of Dentistry
8440 Advanced Theory and Principles of TMJ and Craniofacial Pain
(max crs 3; A-F only)
16818 001 LEC; 07:00am-08:30am MWF, Room TBA; Fricton, James Ryan, 0-3 cr

8441 Seminar in TMJ and Craniofacial Pain (A-F only)
16831 001 LEC; 12:00pm-01:00pm F, Room TBA; Fricton, James Ryan, 1 cr

8442 Advanced Clinical TMJ and Craniofacial Pain
(max crs 4; A-F only; prereq Participation in TMJ and orofacial pain advanced education program)
16832 001 CLN; Mooof 6-374; Fricton, James Ryan, 1-4 cr

8888 Thesis Credit: Doctoral
(max crs 10; 10 repeats allowed; NGA)
21227 001 SEM, 02:00pm-02:50pm Th, PetH 14S, 1 cr

8888 Thesis Credit: Doctoral
(max crs 10; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
19661 001 THE, 1-24 cr

TRANSLATION AND INTERPRETING (TrIn)
215 Nolte Center, 315 Pillsbury Drive
SE, East Bank Campus, Minneapolis,
MN, 55455
612/624-5024,
http://www.cce.umn.edu/certificates/inte
rpreting

College of Continuing Education
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/626-6000, www.bookstore.umn.edu/

1301 American Law for Interpreters
22444 001 LEC; 06:00pm-09:00pm M, Room TBA, TCEASTBANK; Arnold, Valerie Ann Downing, 3 cr

3001 Introduction to Translation
(prereq Bilingual proficiency in [English, second language of instruction], dept consent)
9001 LEC; 06:00pm-07:00pm W, FolH 326; Giannini-Decoll, Claudia Angela
33045 001 DSS, 07:15pm-09:00pm W, FolH 16; Spanish. Because course is taught bilingually, students must submit a writing sample for evaluation before registering for TRIN 3001. Please contact department at (612) 625-2088 or pti@cce.umn.edu for information, evaluation form, and permission number., 3 cr

3005 Principles of Translation
(prereq Fluent in English, proficient in a second language, not in CCE's Certificate in interpreting; basic knowledge of English grammar recommended)
29380 001 LEC; 04:00pm-07:00pm Th, FolH 334; Designed for students working in languages not covered by lab sections in other TRIN courses. Does not count towards CCE's Certificate Program in interpreting., Bogoslav, Laurence Hersche, 3 cr

3101 Introduction to Interpreting
(prereq high level of proficiency in spoken English and another language; 3001 recommended)
17217 001 LEC; 10:00am-01:00pm T, FolH 334; Sherwood-Gabrielson, Pamela A, 3 cr
17216 002 LEC; 09:00am-09:59pm W, FolH 14;
TURKISH (Turk)
192 Klaeber Court, 320 16th Ave SE, East Bank Campus, Minneapolis, MN, 55455
612/624-3331
College of Liberal Arts

Course materials are available at East Bank Bookstore, 160 Williamson Hall, 231 Pillsbury Dr SE, Mpls, MN 55455, 612/625-6000, www.bookstore.umn.edu/

1001 Beginning Turkish I
(Credit will not be granted if credit has been received for: TURK 4001)
31966 001 LEC, 02:30pm-03:20pm MWFMTThF, Folli 114; Meets with: 31377 TURK 1001, 3 cr

4001 Beginning Turkish I
(Credit will not be granted if credit has been received for: TURK 1001; prereq 4th sem course in another language or grad student)
31377 001 LEC, 02:30pm-03:20pm MWTThF, Folli 114; Meets with: 31966 TURK 1001, 3 cr

UNIVERSITY COLLEGE (UC)
150 Wesbrook Hall, 77 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-4000, http://www.cce.umn.edu
College of Continuing Education

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

3201 Web Designer Introduction (A-F only)
28390 001 SEM, 05:00pm-06:30pm MWTThF, Folli 114; Meets with: 002 SEM TURK 1001, 5 cr

3202 Web Designer Introduction II (A-F only; prereq 3201 or instr consent)
28684 001 SEM, 05:00pm-06:30pm T, Murl 10; This course covers more advanced issues in Web design including: Designing with Adobe Photoshop vector tools and using bithatch processing. Macromedia Flash as an animation tool and development environment through Actionscripts, DHTML Layers, HTML frames, and form processing. Students also will learn about Internet Service Providers, hosting, search engines, and Web site marketing. Prerequisite: UC3201 or consent of instructor. Texts will be available at the Coffman Bookstore.; Huson, David Harold, 4 cr

4001 Professional Practice of Addictions Counseling
(S-N only; prereq Adds student, instr consent)
28879 001 LEC, 06:15pm-09:45pm W, McNH 146, STPAUL; Van Cleve, Michael, 4 cr

URBAN STUDIES (Urbs)
348 Social Sciences Building, 267 19th Ave S, West Bank Campus,

Minneapolis, MN, 55455
College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

TURKISH (Turk)
192 Klaeber Court, 320 16th Ave SE, East Bank Campus, Minneapolis, MN, 55455
612/624-3331
College of Liberal Arts

Course materials are available at East Bank Bookstore, 160 Williamson Hall, 231 Pillsbury Dr SE, Mpls, MN 55455, 612/625-6000, http://www.bookstore.umn.edu/

1001 Beginning Turkish I
(Credit will not be granted if credit has been received for: TURK 4001)
31966 001 LEC, 02:30pm-03:20pm MWFMTThF, Folli 114; Meets with: 31377 TURK 1001, 3 cr

4001 Beginning Turkish I
(Credit will not be granted if credit has been received for: TURK 1001; prereq 4th sem course in another language or grad student)
31377 001 LEC, 02:30pm-03:20pm MWTThF, Folli 114; Meets with: 31966 TURK 1001, 3 cr

UNIVERSITY COLLEGE (UC)
150 Wesbrook Hall, 77 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-4000, http://www.cce.umn.edu
College of Continuing Education

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

3201 Web Designer Introduction (A-F only)
28390 001 SEM, 05:00pm-06:30pm MWTThF, Folli 114; Meets with: 002 SEM TURK 1001, 5 cr

3202 Web Designer Introduction II (A-F only; prereq 3201 or instr consent)
28684 001 SEM, 05:00pm-06:30pm T, Murl 10; This course covers more advanced issues in Web design including: Designing with Adobe Photoshop vector tools and using bithatch processing. Macromedia Flash as an animation tool and development environment through Actionscripts, DHTML Layers, HTML frames, and form processing. Students also will learn about Internet Service Providers, hosting, search engines, and Web site marketing. Prerequisite: UC3201 or consent of instructor. Texts will be available at the Coffman Bookstore.; Huson, David Harold, 4 cr

4001 Professional Practice of Addictions Counseling
(S-N only; prereq Adds student, instr consent)
28879 001 LEC, 06:15pm-09:45pm W, McNH 146, STPAUL; Van Cleve, Michael, 4 cr

URDUS (Urdu)
453 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6534, http://www.all.umn.edu
College of Liberal Arts

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

1101 Beginning Urdu
32597 001 LEC, 02:00pm-03:20pm MWTThF, Folli 218; Please call 612-625-6534 for wait list information, 5 cr

UROLOGIC SURGERY (Urol)
A-597 Mayo (Box 394 UMC), 420 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-9933, http://www.urology.umn.edu
Medical School

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000, www.bookstore.umn.edu/

7200 Surgical Specialty: Urology
(max crs 4; P-N only)
16724 001 CLN, 2-4 cr
16725 002 CLN, 2-4 cr
16726 003 CLN, 2-4 cr
16727 004 CLN, 2-4 cr
16728 005 CLN, 2-4 cr
16729 006 CLN, 2-4 cr
16730 007 CLN, 07/11/05-03/06, 2-4 cr

7250 Urologic Surgery
(NGA)
17013 001 LEC, 09/06/05-12/14/05, 3 cr
17251 Cystoscopy and Urological Diagnosis
(NGA)
17014 001 LEC, 09/06/05-12/14/05, 3 cr
17252 Urological Conference
(NGA)
17015 001 LEC, 09/06/05-12/14/05, 3 cr
17253 Research in Urology
(NGA)
17016 001 LEC, 09/06/05-12/14/05, 3 cr
7400 Surgical Specialty: Urology Elective
(max crs 4; HNV)
29328 001 CLN, 2-4 cr
7500 Advanced Urological Surgery
(HNV; prereq 7200 or course director approval)
29329 001 ROT, 3 cr
7503 Urologic Research
(max crs 15; HNV)
22412 001 DRS, 1-15 cr

VETERINARY & BIOMEDICAL SCIENCES (VBS)
College of Veterinary Medicine

2032 General Microbiology with Laboratory (prereq [1100 or 1009], Chem 1011 or instr consent; intended primarily for non-microbiology majors)
001 L EC, 09:00am-10:20am Th, ClabOf B45, STPAUL; Meets with: 23486 BIOL 2032; Bey, Russell F; Donatello, Peg
32625 002 LAB, 10:30am-12:00pm Th, VetS 325, STPAUL; Meets with: 23487 BIOL 2032; Bey, Russell F; Donatello, Peg
32626 003 LAB, 01:00pm-02:30pm Th, VetS 325, STPAUL; Meets with: 26271 BIOL 2032; Bey, Russell F; Donatello, Peg
32627 004 LAB, 03:00pm-04:30pm Th, VetS 325, STPAUL; Meets with: 28651 BIOL 2032; Bey, Russell F; Donatello, Peg

455 Veterinary Teaching Hospitals, 1352 Boyd Ave, St Paul Campus, St Paul, MN, 55108
College of Veterinary Medicine

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455,
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<td>610 L</td>
<td><strong>Small Animal Clinical Nutrition</strong></td>
<td>A-F only</td>
<td>3 cr</td>
<td>max crs 6; A-F only; prereq DVM 1st yr or instr consent</td>
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<td>6134</td>
<td>Principles of Veterinary Nutrition</td>
<td>A-F only</td>
<td>1 cr</td>
<td>max crs 7; A-F only; prereq DVM 2nd yr or instr consent</td>
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<td>6159</td>
<td>Veterinary Toxicology</td>
<td>A-F only</td>
<td>1 cr</td>
<td>max crs 2; S-N only; prereq DVM 3rd yr or #</td>
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<td>Infectious Agents: Parasitology</td>
<td>A-F only</td>
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<td>A-F only</td>
<td>1 cr</td>
<td>max crs 3; 6101, 6102, 3rd yr DVM or instr consent</td>
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*This information is accurate as of: 4/22/2005*
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<th>End Date</th>
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<td>Directed Studies: Diagnostic Medicine (DistD)</td>
<td>Molgaard, Laura</td>
<td>09/12/05-09/25/05</td>
<td>09/26/05-10/09/05</td>
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<td>Molgaard, Laura</td>
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<td>6502</td>
<td>Topics</td>
<td>Hayden, David W.</td>
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<td>6482</td>
<td>Reproductive Diseases of Small Animals</td>
<td>Molgaard, Laura</td>
<td>09/12/05-09/25/05</td>
<td>09/26/05-10/09/05</td>
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<td>6483</td>
<td>Reproductive Diagnostic Techniques (A-F only; preq 3rd yr or instr consent)</td>
<td>Molgaard, Laura</td>
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<td>09/26/05-10/09/05</td>
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<td>09/12/05-09/25/05</td>
<td>09/26/05-10/09/05</td>
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<td>09/26/05-10/09/05</td>
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This information is accurate as of: 4/22/2005
19294 011 ROT, 09/26/05-10/09/05; Dee, Scott Allen, 2
19293 010 ROT, 09/12/05-09/25/05, 09/06/05-10/30/05;
(max crs 8; 4 repeats allowed; prereq 3rd or 4th yr or instr consent)
17198 016 ROT, 12/05/05-12/18/05, 12/05/05-12/18/05;
Dee, Scott Allen, 2 cr
19297 014 ROT, 11/07/05-11/20/05; Dee, Scott Allen, 2 cr
19298 015 ROT, 11/21/05-12/04/05; Dee, Scott Allen, 2 cr
21917 016 ROT, 12/05/05-12/18/05; Dee, Scott Allen, 2 cr
32432 017 ROT, 12/19/05-01/02/06; Dee, Scott Allen, 2 cr
6848 Financial Planning for the Small Business and You (FPSB)
(max crs 8; 4 repeats allowed; prereq DVM 3rd or 4th yr or instr consent)
17209 015 ROT, 11/21/05-12/04/05, 10/31/05-12/22/05;
Morrison, Robert Barclay, 2 cr
6850 Swine Records (SRec)
(Credit will not be granted if credit has been received for: VMED 7850; max crs 8; 4 repeats allowed; prereq DVM 3rd or 4th yr or instr consent)
26443 014 ROT, 10/31/05-12/22/05; Deen, John, 2 cr
6882 Companion Birds (ComB)
(prereq DVM 3rd or 4th yr or instr consent)
22872 011 ROT, 09/26/05-10/09/05; Redig, Patrick
6883 Raptor Center
(DVM 3rd or 4th yr, instr consent)
32425 010 ROT, 09/12/05-09/25/05; Redig, Patrick
6893 Zoological Medicine (MNZM)
(max crs 20; 10 repeats allowed; prereq DVM 3rd or 4th yr or instr consent)
23581 010 ROT, 09/21/05-09/25/05; Rasmussen, James
6934 Selected Topics in Zoo Animal Medicine
(max crs 10; A-F only; prereq DVM 1st or 2nd yr or instr consent)
26642 001 LEC, Trent, Ava M, 5 cr
University of Minnesota – Class Schedule for Twin Cities Campus Fall 2005
196
VETERINARY MEDICINE, GRADUATE (VMed)
455 Veterinary Teaching Hospital, 1352
Boyl Ave, St Paul Campus, St Paul,
MN, 55108
612/624-9227, http://www.cvm.umn.edu
College of Veterinary Medicine
Course materials are available at University of Minnesota Bookstore, Coffman Union, 300
Washington Ave SE, Minneapolis, MN 55455,
WORK, COMMUNITY, AND FAMILY EDUCATION (WCFE) 210 VoTech Building, 1954 Buford Ave, St Paul Campus, St Paul, MN, 55108 612/625-3757, http://education.umn.edu/wcfe College of Education & Human Development

Course materials are available at University of Minnesota Bookstore, Coffman Union, 300 Washington Ave SE, Minneapolis, MN 55455, 612/625-6000 or St Paul Bookstore, 7 St Paul Student Center, 1420 Eckles Ave, St Paul, MN 55108, 612/624-9200, www.bookstore.umn.edu/3011W Introduction to Technology and Public Ethics (meets CLE req of Citizenship/Pub Ethics Theme; meets CLE req of Writing Intensive) 26337 001 SEM, 04:05pm-06:35pm Th, VoTech R285, STPAUL; Undergraduates only; concurrent with WCFE 5011; Meets with: 26364 WCFE 5011W, 3 cr 31999 002 SEM, 04:05pm-06:35pm W, VoTech R280, STPAUL; Undergraduates only; concurrent with WCFE 5011; Meets with: 31999 WCFE 5011W, 3 cr

5011W Technology and Public Ethics (A-F only; meets CLE req of Citizenship/Pub Ethics Theme; meets CLE req of Writing Intensive) 26364 001 SEM, 04:05pm-06:35pm Th, VoTech R285, STPAUL; Graduate Students only; concurrent with WCFE 5011; Meets with: 26371 WCFE 5011W, 3 cr 31999 002 SEM, 04:05pm-06:35pm W, VoTech R280, STPAUL; Undergraduates only; concurrent with WCFE 5011; Meets with: 31999 WCFE 5011W, 3 cr

5201 Family and Work Relationships (A-F only) 33528 001 LEC, 3 cr

5511 Education for Work 32000 001 LEC, 06:00pm-08:30pm Th, VoTech R280, STPAUL; ITV; Joerger, Richard M, 3 cr

5601 Student and Trainee Assessment 36744 010 LEC, 05:00pm-07:30pm Th, VoTech R290, STPAUL; Graduates only; concurrent with WCFE 5011; Meets with: 36744 WCFE 5011W, 3 cr

5629 Course Development for Business and Industry (Credit will not be granted if credit has been received for: BUS 5601; A-F only; prerequisite credit will not be granted if credit received for: BIE 5601) 22275 001 LEC, 05:00pm-07:40pm W, VoTech 230, STPAUL, 10/05/15-12/14/05; Concurrent with: 22277 BUS 5601, 3 cr

5696 Teaching Internship: Introduction (Credit will not be granted if credit has been received for: CI 5924; S-N; prerequisite Admission to initial license program) 33114 001 LEC, 1 cr 32817 001 LEC, 08/06/05-06/15/06, 1 cr

5697 Teaching Internship: School and Classroom Settings (Credit will not be granted if credit has been received for: CI 5924; S-N; prerequisite Admission to initial license program) 33114 001 LEC, 1 cr 32817 001 LEC, 08/06/05-06/15/06, 1 cr

8912 Quantitative Research (prereq 8911) 23036 001 LEC, 06:00pm-09:20pm Th, VoTech R385, STPAUL; Yang, Byain, 3 cr

8913 Interpreters Research (A-F only; prereq 8911) 13754 001 LEC, 04:00pm-05:36pm M, VoTech 220, STPAUL

8914 Critical Science Research (A-F only; prereq 8911) 25011 001 LEC, 04:00pm-05:36pm M, VoTech R380, STPAUL 3 cr

8915 Ethics and Responsible Research (A-F only) 17826 001 LEC, 04:00pm-05:45pm Th, VoTech 230, STPAUL, 09/05/05-10/15/05, 04:00pm-05:45pm Th, VoTech 230, STPAUL, 10/15/05-11/15/05, 04:00pm-05:45pm Th, VoTech 230, STPAUL, 11/15/05-11/15/05, 04:00pm-05:45pm Th, VoTech 230, STPAUL, 12/05/05-12/05/05; Class meets alternating Thursdays, beginning 11/15/05.

8990 Research Seminar (max crs 6; 6 repeats allowed; S-N only; prerequisite 8991, 8992 or 8993 or 8914) 13639 001 SEM, 04:00pm-05:45pm Th, VoTech 230, STPAUL, 09/05/05-10/15/05, 04:00pm-05:45pm Th, VoTech 230, STPAUL, 09/22/05-11/15/05, 04:00pm-05:45pm Th, VoTech 230, STPAUL, 10/15/05-10/15/05, 04:00pm-05:45pm Th, VoTech 230, STPAUL, 11/15/05-11/15/05, 04:00pm-05:45pm Th, VoTech 230, STPAUL, 12/05/05-12/05/05; Class meets alternating Thursdays, beginning 09/08/05; Brown, James M, 1 cr

199
5032  Child and Adolescent Psychology for Practitioners
   (prereq courses in ed psych or child or adolescent psych)
   14654 001 LEC, 03:00pm-06:00pm W, PetH 140, STPAUL, 3 cr

5101  Youth Work Practice I: Internship
   (prereq 3101, 5032 or equiv, concurrent enrollment 5111, instr consent)
   14454 001 IEX; Instructor permission required.; Dimock, Peter Trier, 3 cr

5111  Youth Work Methods I: Seminar
   (prereq 3101, 5032 or equiv, concurrent enrollment in 5101, instr consent)
   14414 001 SEM, 11:00am-01:00pm T, PetH 140, STPAUL; Instructor permission required.; Dimock, Peter Trier, 1 cr

5240  Special Topics in Youth Studies
   (max crs 10; 5 repeats allowed; prerequisite Two social sci courses, exper working with youth or instr consent)
   14452 001 SEM, 08:30am-04:30pm FS, Room TBA, STPAUL, 10/14/05-10/15/05, 08:30am-04:30pm FS, Room TBA, STPAUL, 12/02/05-12/03/05;
   This is a 4-day seminar.; Topic prerequisite two social sci courses, exper working with youth or instr consent.; Shumer, Robert D, 2-8 cr; Exp Ed for Citizen Development: Natl Yth Service

5291  Independent Study in Youth Studies
   (max crs 8)
   17556 001 IND; Instructor permission required.; Baizerman, Michael Leon, 1-8 cr

5323  Work with Youth--Groups
   (prereq 5321 or CPsy or EPsy course or instr consent)
   14562 001 SEM, 08:30am-04:30pm FS, PetH 140, STPAUL, 10/07/05-10/08/05, 08:30am-04:30pm S, PetH 140, STPAUL, 11/12/05-11/12/05; This is a 3-day seminar.; Hromatka, Jerrold C, 2 cr