

## UMM Environmental Studies 2009-2010 Courses

### Fall 2009 Core Classes

**EnSt 1101. Environmental Problems and Policy.** (Envnt; 4 cr)

55561 10:00-11:40 am TTh Sci 3650 Mumford Max 40

**EnSt 2101. Environmental Biology.** (Sci-L; 4 cr; credit will not be granted if credit has been received for Biol 2101)

Lec 1 10:30-11:35 am MW Sci 3650 P. Wyckoff

55565 Lab 2 1:00-4:00 pm Wed Sci 2150 P. Wyckoff Max 14

55567 Lab 3 9:00-12:00 pm Thu Sci 2150 P. Wyckoff Max 14

55569 Lab 4 12:00-3:00 pm Fri Sci 2150 P. Wyckoff Max 14

**OR...(Requires Biol 2101 in the spring)**

**Biol 1111. Fundamentals of Genetics, Evolution, and Development.** (Sci; 3 cr; prereq biol major/minor or chem major or any health sciences preprofessional program or EIED or SeEd major with middle school science specialties or instr consent)

55389 Sec 1 10:00-11:15 am TTh Sci 2950 Waye Max 40

55731 Sec 2 2:00-3:15 pm TTh Sci 1020 Waye Max 40

**EnSt 3996. Internship/Field Experience in Environmental Studies.** (2-4 cr [max 4 cr]; prereq jr status or instr consent, approved internship proposal)

Arranged Staff

**Econ 1111. Principles of Microeconomics.** (SS; 4 cr; prereq high school algebra or instr consent)

55105 2:15-3:20 pm MWF IH 112 Finzel Max 40

**Geol 1101. Physical Geology.** (Sci-L; 4 cr)

Lec 1 9:15-10:20 am MWF Sci 3650 Gilbertson

54401 Lab 2 2:15-5:15 pm Mon Sci 1650 Gilbertson Max 24

54403 Lab 3 10:00-1:00 pm Tue Sci 1650 Gilbertson Max 24

**Stat 1601. Introduction to Statistics.** (M/SR; 4 cr; prereq high school higher algebra)

54419 Sec 1 8:00-9:05 am MWF Sci 3610 Staff Max 45

54421 Sec 2 10:30-11:35 am MWF Sci 3610 Anderson Max 45

54423 Sec 3 1:00-2:05 pm MWF Sci 3610 Anderson Max 45

**OR...**

**Stat 2601. Statistical Methods.** (M/SR; 4 cr; prereq Math 1101 or Math 1021)

54431 9:15-10:20 am MWF Sci 3550 Sungur Max 30

### Fall 2009 Electives

**Anth 3206. Ecological Anthropology.** (Envnt; 4 cr; prereq 1111 or 2101 or 2103)

57354 2:00-3:40 pm TTh IH 114 Dean Max 25

**Biol 3131. Ecology.** (Sci-L; 4 cr; prereq Biol 2101 or EnSt 2101 or instr consent)

Lec 1 1:00-2:05 pm WF Sci 2190 Kuchenreuther

54363 Lab 2 2:15-5:15 pm Wed Sci 3180 Kuchenreuther Max 12

54365 Lab 3 9:00-12:00 pm Thu Sci 3180 Kuchenreuther Max 12

54967 Lab 4 2:00-5:00 pm Thu Sci 3180 Kuchenreuther Max 12

**Biol 4131. Vertebrate Natural History.** (Sci-L; 4 cr; prereq Biol 2101 or EnSt 2101 or instr consent)

Lec 1 11:45-12:50 pm MW Sci 2200 Waye

57366 Lab 2 2:15-5:15 pm Mon Sci 3180 Waye Max 12

57367 Lab 3 2:15-5:15 pm Fri Sci 3180 Waye *tentative lab*

**Biol 4191. Freshwater Biology.** (Sci-L; 4 cr; prereq [Biol 2101 or EnSt 2101], 2111 or instr consent)

Lec 1 9:15-10:20 am MW Sci 2185 Anderson

57369 Lab 2 2:15-5:15 pm Wed Sci 3160 Anderson Max 12

57370 Lab 3 2:00-5:00 pm Thu Sci 3160 Anderson Max 12

**Chem 1101. General Chemistry I.** (Sci-L; 4 cr; prereq Math 0901 or placement beyond Math 0901 using ACT/placement exam score)

NOTE: labs 2-8 will attend lecture 1; labs 12-18 will attend lecture 11

Lec 1 8:00-9:05 am MWF Sci 2950 Pappenfus

55527 Lab 2 2:15-5:15 pm Mon Sci 3175 Alia Max 10

55529 Lab 3 8:00-11:00 am Tue Sci 3175 Pappenfus Max 10

55531 Lab 4 12:00-3:00 pm Tue Sci 3175 Pappenfus Max 10

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55533 Lab 5 2:15-5:15 pm Wed Sci 3175 Pappenfus Max 10  
55535 Lab 6 8:00-11:00 am Thu Sci 3175 Alia Max 10  
55537 Lab 7 12:00-3:00 pm Thu Sci 3175 T. Goodnough Max 10  
57371 Lab 8 4:00-7:00 pm Thu Sci 3175 T. Goodnough Max 10  
Lec 11 9:15-10:20 am MWF Sci 2950 Alia  
55663 Lab 12 2:15-5:15 pm Mon Sci 3175 Alia Max 10  
55665 Lab 13 8:00-11:00 am Tue Sci 3175 Pappenfus Max 10  
55667 Lab 14 12:00-3:00 pm Tue Sci 3175 Pappenfus Max 10  
55669 Lab 15 2:15-5:15 pm Wed Sci 3175 Pappenfus Max 10  
55671 Lab 16 8:00-11:00 am Thu Sci 3175 Alia Max 10  
55673 Lab 17 12:00-3:00 pm Thu Sci 3175 T. Goodnough Max 10  
57372 Lab 18 4:00-7:00 pm Thu Sci 3175 T. Goodnough Max 10  
**Chem 3101. Analytical Chemistry.** (Sci-L; 4 cr; prereq 1102)  
Lec 1 8:00-9:05 am MWF Sci 2200 J. Goodnough  
54379 Lab 2 12:00-3:00 pm Tue Sci 3040 J. Goodnough Max 12  
54381 Lab 3 9:00-12:00 pm Thu Sci 3040 J. Goodnough Max 12

**ESci 3111. Evolution of the Minnesota Prairie.** (4 cr; Sci-L; prereq Geol 1101 or EnSt 2101 or instr consent)

Lec 1 10:00-11:40 am TTh Sci 3655 Cotter  
57469 Lab 2 2:15-5:15 pm Fri Room TBA Cotter Max 12

**Geol 3501. Hydrology.** (Sci; 4 cr; prereq Math 1101 or instr consent)

55419 10:30-11:35 am MWF Sci 1515 Brugger Max 12

**IS 3215H. Honors: Sagas before the Fall: Culture, Climate, and Collapse in Medieval Iceland.** (Envnt; 2 cr; prereq participation in Honors Program or instr consent)

57535 10:30-11:20 am MW Sci 2200 Cole, J Ericksen Max 20

**Pol 1201. American Government and Politics.** (E/CR; 4 cr)

54761 10:30-11:35 am MWF IH 111 O'Loughlin Max 75

**Pol 3355. Environmental Political Theory.** (Envnt; 4 cr)

57443 9:15-10:20 am MWF IH 101 Breen Max 35

**Soc 3131. World Population.** (Envnt; 4 cr; prereq 1101 or instr consent)

54737 3:30-5:10 pm MW Sci 1030 Gilanshah Max 25

## UMM Environmental Studies 2009-2010 Courses

### Spring 2010 Core Courses

**EnSt 1101. Environmental Problems and Policy.** (Env; 4 cr)

54767 12:00-1:40 pm TTh Sci 2200 Mumford Max 40

**EnSt 2111. Environmental Ethics.** (Env; 4 cr; evening or weekend field trips required)

54931 4:00-5:40 pm TTh Sci 1030 Mumford Max 20

**EnSt 3996. Internship/Field Experience in Environmental Studies.** (2-4 cr [max 4 cr]; prereq jr status or instr consent, approved internship proposal; S-N only)

Arranged P. Wyckoff

**Econ 1111. Principles of Microeconomics.** (SS; 4 cr; prereq high school algebra or instr consent)

54327 Sec 1 9:15-10:20 am MWF IH 111 Xiao Max 40

54531 Sec 2 10:00-11:40 am TTh IH 109 Burks Max 40

**Biol 1111. Fundamentals of Genetics, Evolution, and Development.** (Sci; 3 cr; prereq biol major/minor or chem major or any health sciences preprofessional program or EEd or SeEd major with middle school science specialties or instr consent)

54599 Sec 1 10:00-11:40 am TTh Sci 2190 Wayne Max 40

92060 Sec 2 10:00-11:40 am TTh Sci 2200 Cole Max 40

AND....(These two courses can be taken as a substitute for ENST 2101)...

**Biol 2101. Evolution of Biodiversity.** (Sci-L; 4 cr; prereq 1101 or 1111 or instr consent)

Lec 1 1:00-2:05 pm MW Sci 3650 Anderson

53681 Lab 2 9:00-12:00 pm Tue Sci 2130 Anderson Max 18

53683 Lab 3 2:00-5:00 pm Tue Sci 2130 Anderson Max 18

Lec 11 1:00-2:05 pm MW Sci 1020 P. Wyckoff

92062 Lab 12 9:00-12:00 pm Thu Sci 2130 P. Wyckoff Max 18

92063 Lab 13 2:00-5:00 pm Thu Sci 2130 P. Wyckoff Max 18

92064 Lab 14 2:15-5:15 pm Wed Sci 2130 P. Wyckoff Max 18

**Engl 2106. Topics in Writing: The Environmental Imagination: Reading and Writing About the Natural World.**

(Env; 4 cr; prereq 1011 or equiv)

92089 12:00-1:40 pm TTh Hum 5 Graham Max 15

**OR....**

**EnSt 2111. Environmental Ethics.** (Env; 4 cr; evening or weekend field trips required)

54931 4:00-5:40 pm TTh Sci 1030 Mumford Max 20

**EnSt 3996. Internship/Field Experience in Environmental Studies.** (2-4 cr [max 4 cr]; prereq jr status or instr consent, approved internship proposal; S-N only)

Arranged P. Wyckoff

**Geol 1101. Physical Geology.** (Sci-L; 4 cr)

Lec 1 11:45-12:50 pm MWF Sci 3650 Brugger

53733 Lab 2 1:30-4:30 pm Mon Sci 1650 Brugger Max 24

53735 Lab 3 10:00-1:00 pm Tue Sci 1650 Brugger Max 24

**Stat 1601. Introduction to Statistics.** (M/SR; 4 cr; prereq high school higher algebra)

53759 Sec 1 9:15-10:20 am MWF Sci 3610 J. Kim Max 45

53761 Sec 2 1:00-2:05 pm MWF Sci 3610 J. Kim Max 45

54249 Sec 3 8:00-9:40 am TTh Sci 3610 Anderson Max 45

54265 Sec 4 10:00-11:40 am TTh Sci 3650 Sungur Max 45

### Spring 2010 Electives

**Anth 2101. Physical Anthropology.** (Sci-L; 4 cr) *Pending approval to add lab component*

Lec 1 2:15-3:20 pm MWF IH 111 Dean

Lab 2 3:30-5:00 pm Wed IH 3 Dean Max 15

Lab 3 1:00-2:30 pm Thu IH 3 Dean Max 15

Lab 4 12:30-2:00 pm Fri IH 3 Dean Max 15

**Anth 3204. Culture, Food, and Agriculture.** (Env; 4 cr; =[Soc 3204]; prereq 1111 or Soc 1101 or instr consent)

54673 9:15-10:20 am MWF IH 112 Chollett Max 15

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**Biol 4172. Plant Systematics.** (Sci-L; 4 cr; prereq 2101 or EnSt 2101 or instr consent)

Lec 1 2:15-3:20 pm MF Sci 3650 Kuchenreuther

92068 Lab 2 2:00-5:00 pm Thu Sci 3160 Kuchenreuther Max 12

**Biol 4351. Conservation Biology.** (Sci-L; 4 cr; prereq Biol 2101 or EnSt 2101, prereq or coreq Biol 3131)

Lec 1 10:30-11:35 am MW Sci 2190 Cole

92070 Lab 2 2:00-5:00 pm Tue Room TBA Cole Max 16

**Chem 1102. General Chemistry II.** (Sci-L; 4 cr; prereq 1101)

NOTE: labs 2-7 will attend lecture 1; labs 12-17 will attend lecture 11

Lec 1 8:00-9:05 am MWF Sci 2950 J. Goodnough

54743 Lab 2 2:15-5:15 pm Mon Sci 3175 Togeas Max 10

54297 Lab 3 8:00-11:00 am Tue Sci 3175 Alia Max 10

54299 Lab 4 12:00-3:00 pm Tue Sci 3175 Togeas Max 10

54301 Lab 5 2:15-5:15 pm Wed Sci 3175 Soderberg Max 10

54303 Lab 6 8:00-11:00 am Thu Sci 3175 Alia Max 10

54905 Lab 7 12:00-3:00 pm Thu Sci 3175 Togeas Max 10

Lec 11 9:15-10:20 am MWF Sci 2950 Togeas

54849 Lab 12 2:15-5:15 pm Mon Sci 3175 Togeas Max 10

54851 Lab 13 8:00-11:00 am Tue Sci 3175 Alia Max 10

54853 Lab 14 12:00-3:00 pm Tue Sci 3175 Togeas Max 10

54855 Lab 15 2:15-5:15 pm Wed Sci 3175 Soderberg Max 10

54857 Lab 16 12:00-3:00 pm Thu Sci 3175 Alia Max 10

54907 Lab 17 12:00-3:00 pm Thu Sci 3175 Togeas Max 10

**Econ 3007. Environmental and Natural Resource Economics I.** (Envnt; 2 cr; prereq 1111 or instr consent)

92082 9:15-10:20 am MWF (1<sup>st</sup> half) IH 114 Kildegaard Max 30

**Econ 3008. Environmental and Natural Resource Economics II.** (Envnt; 2 cr; prereq 3007 or instr consent)

92083 9:15-10:20 am MWF (2<sup>nd</sup> half) IH 114 Kildegaard Max 30

**Engl 4012. Research Seminar: Imagining the Earth.** (Hum; 4 cr; prereq 1131, two from 2201, 2202, 2211, 2212, instr consent)

92091 3:30-5:10 pm MW Hum 12 Graham Max 12

**Phys 2301. Atmospheric Physics.** (Envnt; 4 cr; prereq 1092 or 1102, Math 1102)

92141 12:00-1:40 pm TTh Sci 3665 Boyd Max 20

**Soc 3204. Culture, Food, and Agriculture.** (Envnt; 4 cr; =[Anth 3204]; prereq 1101 or Anth 1111 or instr consent)

54815 9:15-10:20 am MWF IH 112 Chollett Max 15