

ENVIRONMENTAL GEOLOGY LAB SYLLABUS SPRING 2007

INSTRUCTOR: *Christie Demosthenous*
Office: 207 Harrington
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Office Hours: *by appointment OR*
Monday & Wednesday 11:30-12:30
Tuesday & Thursday 12:40-1:40

LOCATION: 103 Harrington Hall

REQUIRED TEXT: *Environmental Geology Laboratory Manual* (Spring 2007 edition) by C. W. Fetter, Jr., revised by M. Muldoon

ATTENDANCE: Attendance and completion of all lab exercises is mandatory. In order to receive attendance credit you must 1) complete the lab to the satisfaction of your lab instructor, 2) self-correct the lab using the answer keys provided and 3) show your completed lab to your instructor before leaving class. **Each missed lab will drop your lab attendance grade as much as 20%.** If you cannot attend a lab, please contact your instructor immediately; failure to do so may result in a zero for lab attendance. Because new labs are set up each week, they are difficult to make up if you miss one. Attendance/lab completion is worth 20% (30 pts) of your total lab grade.

LAB EXAMS: Four non-comprehensive lab exams will be given. Each exam is worth 20% (30 pts) of your total lab grade. Lab Exams will be a mixture of objective and short answer questions. **If you miss a lab exam due to illness or extenuating circumstances, you MUST contact your instructor by the end of that day. If you do not contact your instructor by the end of the day, you may be given a ZERO. Make-up exams MUST be completed by the end of Monday of the following week. Make-ups due to illness REQUIRE a signed doctor's note.** If you know ahead of time that you will miss a lab exam, contact your instructor before the exam and discuss options at that time.

GRADES: Your laboratory grade will be calculated from the average of your attendance and four lab exam grades. Your final lab grade will be assigned out of a total of 150 points (30 pts for attendance, 30 pts for each lab exam). This is ~1/4 of your overall Environmental Geology grade.

FIELD TRIP: A mandatory half-day field trip is scheduled for the week of April 23rd. The trip will be run multiple times during the week and you may sign up for the field trip that best fits your schedule. Sign up early to ensure a seat on the field trip of your choice. If you have scheduling conflicts see the instructor no later than the week of April 9th. Transportation is by bus. Busses will load 15 minutes before the scheduled departure time, in front of Harrington Hall on Elmwood Ave. The field trip counts for two attendances and will take the place of lab during the week of May 7th.

LAB CLASS SCHEDULE:

Week Beginning	Laboratory
January 29	No Lab
February 5	A1: Minerals
February 12	A2: Rocks
February 19	<u>EXAM 1</u> on Minerals (A1) & Rocks (A2) C1: Construction of a Topographic Map
February 26	C2: Topographic Maps
March 5	C3: Environmental Geology Maps
March 12	<u>EXAM 2</u> on Maps (C1, C2, C3) B1: Sediment Identification and Properties
March 19	Spring Break!
March 26	B2: Agricultural Soils
April 2	D1: Streams & D2: Aquifers & Groundwater
April 9	<u>EXAM 3</u> on Soils (B1, B2); Streams (D1); Aquifers & Groundwater (D2) E1: Fox River Sampling (<i>rain or shine this lab will be outside; please dress appropriately</i>)
April 16	E2: Water Chemistry
April 23	Local Field Trip
April 30	<u>EXAM 4</u> on Water Quality (E1, E2) and Field Trip
May 7	No Lab

LAB SECTION SCHEDULE:

Section	Day	Time	Instructor
001	Monday	1:50 – 4:00	Christie
002	Tuesday	8:00 – 10:10	Christie
003	Tuesday	10:20 – 12:30	Christie
004	Tuesday	1:50 – 4:00	Christie
005	Wednesday	12:40 – 2:50	Christie
006	Wednesday	3:00 – 5:10	Christie
007	Thursday	8:00 – 10:10	Christie
008	Thursday	10:20 – 12:30	Christie