

ENVIRONMENTAL GEOLOGY LAB SYLLABUS FALL 2006

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Office Hours: Mon, 10:20 - 12,
Tue, 1:30-2:30, Wed. 10:20 - 12
any other time by appointment

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Office: 207 Harrington
Office Hours: Tuesday 10:20-12:30;
Thurs 12:40-1:40; Fri 12:40-1:40;
any other time by appointment

LOCATION: 103 Harrington Hall

REQUIRED TEXT: *Environmental Geology Laboratory Manual* (Fall 2006 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 by 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% of your total lab grade.

LAB EXAMS: Four non-comprehensive lab exams will be given. Each exam is worth 20% 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 constitute $\sim\frac{1}{3}$ of your course grade (the other $\frac{2}{3}$ of the course grade is from lecture). **Note: you must pass the lab (lab grade >60%) in order to pass the course.**

FIELD TRIP: A mandatory half-day field trip is scheduled for the week of October 9th. 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 September 25th. 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 October 23rd.

LAB CLASS SCHEDULE:

Week Beginning	Laboratory
September 4	No Lab
September 11	A1: Minerals
September 18	A2: Rocks
September 25	<u>EXAM 1</u> on Minerals (A1) & Rocks (A2) E1: Fox River Sampling (<i>rain or shine this lab will be outside; please dress appropriately</i>)
October 2	E2: Water Chemistry
October 9	Local Field Trip
October 16	<u>EXAM 2</u> on Water Quality (E1, E2) and Field Trip C1: Construction of a Topographic Map
October 23	C2: Topographic Maps
October 30	C3: Environmental Geology Maps B2: Agricultural
November 6	<u>EXAM 3</u> on Maps (C1, C2, C3) B1: Sediment Identification and Properties
November 13	B2 Agricultural Soils
November 20	<i>No Lab – Thanksgiving Break</i>
November 27	D1: Streams & D2: Aquifers & Groundwater
December 4	<u>EXAM 3</u> on Soils (B1, B2); Streams (D1); Aquifers & Groundwater (D2)
December 11	<i>No lab.</i>

LAB SECTION SCHEDULE:

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