

**ENVIRONMENTAL GEOLOGY (51-150) LABORATORY**  
**Fall 2008**

**Instructors:**

*Maureen Muldoon*

(Secs 01, 04, 06, 07, 08)

Office: 104 Harrington

Phone: 424-4461

email: muldoon@uwosh.edu

Office Hrs: Monday 10:20-12:30

Wednesday 10:20-12:30

Thursday 12:40-1:40

Friday 10:20-11:20

*Christie Demosthenous*

(Secs 02, 03, 05)

Office: 207 Harrington

Phone: 424-3154

email: demosthe@uwosh.edu

Office Hrs: Tuesday 10:20-12:30

Wednesday 10:20-11:20

Thursday 12:40-1:40

OR by appointment

**Text:** Environmental Geology Laboratory Manual (Fall 2008 edition) by C. W. Fetter, Jr., revised by M. Muldoon

**Attendance:** Attendance and completion of all lab exercises is required. The bulk of your work will be classroom activities; therefore, attendance is of utmost importance. If you cannot attend a lab, you must contact your instructor *prior to the scheduled lab and arrange a way to make-up the missed lab*. If you must attend a lab section taught by a different instructor, then you must also contact that instructor. Because labs are set up for one week only, they are difficult to make up if you miss one.

**Lab Exercises:** Each week's laboratory exercise is due at the end of your lab session. 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. A completed lab receives a score of 100%, incomplete or missing labs will receive a score of 0%. At the end of the semester, scores of the laboratory exercises will be averaged, and this average will constitute 20% of the laboratory score.

**Exams:** Four, non-comprehensive exams will be given (each worth 20% of your total lab grade). They 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. Makeups 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.

**Scores:** Your score for laboratory will be the average of your scores on exams (80% of lab grade) plus an additional 20% based on completeness of lab exercises. The lab grade will constitute 25% of the course grade (worth a total of 150 points).

**Field Trip:** A mandatory half-day field trip is scheduled for the week of October 6 - 10. The trip will be run multiple times during that 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 September 27. Transportation will be by bus. Buses will load 15 minutes before the scheduled departure time in front of Harrington Hall on Elmwood Avenue; they depart on time. The field trip counts for two attendances and takes the place of the regular lab session during the week of October 6.

**Schedule:** The schedule for the semester is given below. *Read through all of the material for the lab before coming to lab.* Lectures will be brief and you will be expected to have read the material.

<b>Week</b>	<b>Laboratory</b>
September 1 - 5	No Lab (partial week)
September 8 - 12	A1: Minerals
September 15 - 19	A2: Rocks
September 22 - 26	<b>EXAM 1:</b> Minerals (A1) & Rocks (A2) E1: Introduction to Water Quality & Fox River Sampling
Sept 29 - October 3	E2: Water Chemistry
October 6 - 10	Field Trip
October 13 - 17	<b>EXAM 2:</b> Water Quality (E1, E2) & Field Trip C1: Construction of Contour Map
October 20 -24	C2: Topographic Maps
October 27 - 31	C3: Environmental Geology Maps
November 3 - 7	<b>EXAM 3:</b> Maps (C1, C2, C3) B1: Sediment Identification and Properties
November 10- 14	B2: Agricultural Soils
November 17 - 21	D1: Stream Processes & D2: Aquifer Properties and Groundwater
November 24 - 28	<i>No Lab – Thanksgiving Break</i>
December 1 - 5	<b>EXAM 4:</b> Soils (B1, B2), Streams (D1) & Groundwater (D2)
December 8 - 12	<i>No Lab – made up for by Field Trip</i>

**Schedule of Laboratory Sections:**

<b>Section</b>	<b>Day</b>	<b>Time</b>	<b>Instructor</b>
1	Monday	3:00 - 5:10	Maureen
2	Tuesday	8:00 - 10:10	Christie
3	Tuesday	3:00 - 5:10	Christie
4	Wednesday	12:40 - 2:50	Maureen
5	Wednesday	3:00 - 5:10	Christie
6	Thursday	8:00 - 10:10	Maureen
7	Thursday	10:20-12:30	Maureen
8	Thursday	1:50 - 4:00	Maureen