

# ERTH 205 – Environmental Geology

## Spring 2008

**Instructor:** Dr. Sarah Hanson  
**Office:** Peelle 204  
**Office Hours:** MW 2:00-3:00  
**Required text:** N/A

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### Lecture Schedule

<u>Date</u>	<u>Topic</u>
1-7	Introduction
1-9	Human Interaction with Geology
1-14	Plate Tectonics
1-16	Earthquakes
1-21	<b>MLK Day – Long weekend</b>
1-23	Earthquakes
1-28	Volcanoes
1-30	Volcanoes
2-4	<b>Exam 1</b>
2-6	Soils
2-11	Soils Contamination
2-13	Mass Wasting & Subsidence
2-18	Ground Water ( <i>Term Paper Topic Due</i> )
2-20	<b>Exam 2</b>
2-25	<b>Not quite Spring Spring Break – No class!!!</b>
2-27	<b>Not quite Spring Spring Break – No class!!!</b>
3-3	Rivers & Dams
3-5	Water Contamination
3-10	Floods
3-12	Waste Management
3-17	Mineral resources
3-19	<b>Exam 3</b>
3-24	<b>Gift from your instructor – No Class!!</b>
3-26	Energy Resources
3-31	Glaciers
4-2	Climate Change
4-7	Climate Change ( <i>Term Paper due</i> )
4-9	Research Paper presentations – You work, I sit and listen
4-14	Research Paper presentations – You work, I sit and listen
4-16	Research Paper presentations – You work, I sit and listen

**Final Exam** – Monday Apr 21<sup>st</sup>, 8:30 - 10:30 a.m.

### Lab schedule

1-10	No Lab
1-17	Population Growth
1-24	Earthquakes
1-31	Volcanic Hazards
2-7	Soil horizons / sampling in Adrian
2-14	Evaluation of soil contamination (using samples collected last week)
2-21	<b>Lab Midterm Exam</b>
2-28	<b>No Lab – Spring Break</b>
3-6	Stream flow – Darcy tube experiments
3-13	Stream contamination – data collection on River Raisin
3-20	No lab – your instructor will be at a conference
3-27	Stream contamination – evaluation of data collected in previous lab
4-3	Contamination from landfills
4-10	Global Warming
4-17	<b>Lab Final Exam</b>

### Course Policies and Procedures

Attendance: It is imperative that you attend all scheduled classes. Attendance will not be taken in class. However, it is **your** responsibility to get any homework assignments which may have been given in class and the lecture material (some of which may not be covered in the text). If you miss an in class assignment, it is **YOUR** responsibility to get and complete the assignment in the allotted time. Full credit will NOT be given one week following the missed class.

Exams: You **MUST** notify me in advance if you are going to miss an exam. Make-up exams will be given **ONLY** if you have a substantiated emergency (i.e. medical emergency, death in family etc.).

#### Grades:

4 exams @ 12% each	48%
Homework & Labs	15%
2 Lab Exams @ 10% ea	20%
Final Paper	17%

If necessary, I will adjust the grade scale for each exam *upwards* to a class mean of 75%. No extra credit assignments will be given. Final grades will be calculated as follows:

93 – 100%	A
90 – 92%	A-
87 – 89 %	B+
83 – 86%	B
80 – 82%	B-
77 – 79%	C+
73 – 76%	C
70 – 73%	C-
67 – 69%	D+
63 – 66%	D
60 – 62%	D-
Below 60%	F