Geology 1103-104
Introduction to Applied and Environmental Geology
Syllabus for Spring Semester 2008

Textbook:	*Environmental Geology*, Carla A. Montgomery, 7th edition
Instructor:	Dr. Neil E. Johnson
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Office Hours:	M:	10 - 11:30	1 - 2	
	T:	10 - 11:30	1 - 2	
	W:	10:30 - 11:30		2 - 3
	R: 9 - 10		1 - 2	

Grading:	Exams (2)	50%
	Laboratory	25%
	Final exam	25%
	TOTAL	100%

Course Objectives

To use the tools developed in physical geology to enhance the understanding of a variety of problems faced by modern society and how such problems and possible solutions are geologically based.

Policies

None of the exams are comprehensive. The average scores of exams taken will be adjusted up to 75% if necessary, which would then represent the middle of the C range. Other letter grades will be in 10 % steps up or down from this, with + or - grades as ± 2 or 3 points from these. Historically, the average final grade for the course falls into the C (1.7< x <2.3 GPA) range. If you must miss an exam, please contact me beforehand (directly or through the department office). It is entirely the student's responsibility to schedule a make-up, and any exams not made up by the time of the next exam will be counted as missed. Make-up exams are given solely at the instructor's discretion. There can be no exceptions to this policy.

Regular attendance in lecture is expected; much that you will be responsible for will be covered in more depth in the lectures than in the textbook alone, and classmates' notes tend to be a poor substitute for your own. Poor attendance by the entire class over the term will affect the ranges of plus/minus grades. Lectures are based on the assumption that everyone has read the assigned material prior to class,and that students will refer to the textbook during class. Laboratories are fundamentally different in that the skills developed in one lab are required for subsequent labs, and generally cannot be made up. Therefore, it is vital that you attend all of the laboratory classes.

Class information will be posted on my Web page as it becomes available throughout the term. In addition, I will post the results of exams as soon as they are ready (usually the same day). My e-mail client checks for new mail every 45 minutes when I am in my office, and I generally respond quickly. Please have some consideration for your peers and turn off any personal electronics such as cell phones, beepers, or musical devices before class begins.

In the event of an emergency such as a fire alarm, you must leave the building. You may gather your personal belongings if time permits, but note that remaining in or reentering the building without permission is against the law and could subject you to criminal prosecution. After leaving the building, you must stay at least 50 feet away to allow access for emergency personnel. You will be instructed as to

whether the class will reconvene elsewhere or be canceled.

During examinations, any electronic devices (cellphones, iPods, etc.) must remain turned off. Any use of a cell phone, iPod, or similar device during an examination will result in temporary confiscation of the device, and may subject you to review under the Academic Integrity Code.

This course is not difficult, provided that you pay attention, take good notes and spend a reasonable amount of time keeping up with the material. It is not intended to be difficult. There is no reason for earning a grade poorer than a C, unless you choose to do so.

Tentative lecture schedule

Date	Topic	Chapters	Date	Topic	Chapters
Jan. 15	Introduction	1,2	Mar. 11	*No Class - Spring Break*	–
17	Earth Materials & Processes	2,3	13	*No Class - Spring Break*	–
22	Earthquake Hazards	4	18	Non-metallic Resources	12
24	Volcanic Hazards	5	20	**Exam 2**	–
29	Volcanic Hazards	5	25	*No Class - Easter Break*	–
31	Rivers and Flooding Hazards	6	27	Fossil Fuel Resources	13
Feb. 5	Volcanic Hazards	5	Apr. 1	Fossil Fuel Resources	13
7	Coastal Hazards	7	3	Fossil Fuel Resources	13
12	**Exam 1**	–	8	Alternative Energy Resources	14
14	Mass Wasting Hazards	8	10	Alternative Energy Resources	14
19	Climatic Hazards	9	15	Waste Management	15
21	Water Resources	10	17	Water Pollution	16
26	Water Resources	10	22	Air Pollution	17
28	Soil Resources	11	29	Environmental Law	18
Mar. 4	Metallic Resources	12			
6	Metallic Resources	12			

Final Exam: Friday, May 2, 3:00 – 5:30 pm