Earth and Environmental Sciences 21: Environmental Science

Furman University Division of Continuing Education **Spring Semester 2007**

Classroom: Furman Hall Room 207
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Instructor: Lee Mitchell
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Class times: Every Monday & Every Other Thursday, 6:00-8:45 PM January 8 – April 19

Textbook: Environmental Geology (7th edition), 2006, by Carla W. Montgomery: McGraw-Hill Higher Education; available at University Bookstore. Labs will be given to students as individual handouts.

Course Objective: *We will investigate the processes that formed the earth and that are still active now, and how they affect our environment, resources, and the way we live. We will examine man's impact on the earth, and the methodology we use to study different aspects of the environment, especially in the areas of water and rock interactions. We will do this in lectures, hands-on labs, and a field trip.* Grading: Lecture tests and final exam will count for 75 percent of the total grade; labs and lab exams will count for 25 percent. Grading is on the 10-point scale (A = 91-100; B = 81-90; C = 71-80; D = 61-70; F <= 60). Labs are mandatory, and if missed, must be made up on the student's time, at a mutually convenient time for the instructor and student. **There is a mandatory all-day Saturday field trip** (date to be announced; mid- to late March). For anyone physically unable to participate in the field trip, a term paper is required.

STUDENTS WITH DISABILITIES: If a student with a disability desires an accommodation, it is the student's responsibility to identify himself or herself as having a disability and to make a formal request for appropriate accommodations. The Disabilities Services Coordinator at Furman is Ms. Susan Clark at extension 2322.

ACADEMIC DISHONESTY: Academic dishonesty in any form is a fundamental offense against the integrity of the entire academic community and is always a threat to the standards of the college and to the standing of every student. In tanking examinations, doing homework, laboratory work, and writing papers, students are expected to perform with honor.

One of the most common forms of academic dishonesty is plagiarism. Plagiarism is the use of another's words and ideas as if they were one's own. To avoid plagiarism, students should acknowledge their sources, using whatever documentation is appropriate to the discipline in which their work is being done.

The following syllabus is a flexible guide; we will hold to it as closely as possible but there will very likely be changes in it as we go along.

CLASS #	WEEKDAY	DATE	TEXTBOOK CHAPTER and LECTURE SUBJECT	LAB SUBJECT
1	M	1/08	2. Rocks and Minerals	
2	Th	1/11		1. Introduction to Topographic Maps
3	M	1/22	2. Rocks and Minerals (continued)	
4	Th	1/25		2. Contouring and Topographic Profiles
5	M	1/29	3. Plate Tectonics	
6	M	2/05	4. Earthquakes	
7	Th	2/08		3. Advanced Topographic Maps and Contouring
8	M	2/12	4. Earthquakes (continued) and REVIEW	
9	M	2/19	**Lecture Test 1**	
10	Th	2/22		4. Environmental Mapping and Contouring
11	M	2/26	5. Volcanoes	
12	M	3/05	5. Volcanoes (continued)	
13	Th	3/08	6. Streams and Flooding	Lab Review
14	M	3/12	6. Streams and Flooding (continued)	
15	M	3/19	7. Coastal Zones and Processes	
16	Th	3/22		**Lab Exam**
17	M	3/26	7. Coastal Zones and Processes (continued) and Lecture REVIEW	
18	M	4/02	**Lecture Test 2**	
19	Th	4/05	10. Water as a Resource	
20	M	4/09	10. Water as a Resource (cont.) and Hydrogeology of South Carolina	
21	M	4/16	Hydrogeology of South Carolina (cont.) and Open Topic / REVIEW	
22	Th	4/19	**Final Lecture Exam**	