

Geology 275: Geomorphology Spring 2007

Meeting Time: MWF 12:00-12:50pm
Textbook: Donald Easterbrook, *Surface Processes and Landforms*, 2nd ed.
Instructor: Dr. Briget C. Doyle
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Office hours: 11:00 – 12:00 MWF, or by appointment

Course Objectives: The overall goal of this course is for you to understand the mechanics of geomorphic processes, be able to analyze landforms created by those processes, and to understand the evolution of landforms over time. Since the object of any science is rational inquiry about the natural world, you are encouraged to **think critically** and **ask questions!!** Participation in class discussions is expected, and **can affect your grade**. It is suggested that you read the assigned chapter before class so you may better participate in class.

Grading: Grades in this course will come from a combination of quizzes, homework, four exams (three in class, one final), and laboratory assignments and exams. Grades will be assigned according to the scale below:

<u>Grade</u>	<u>Percent</u>
A	94+
A-	90 – 94
B+	86 – 89.9
B	83 – 85.9
B-	80 – 82.9
C+	76 – 79.9
C	73 – 75.9
C-	70 – 72.9
D+	66 – 69.9
D	63 – 65.9
D-	60 – 62.9
F	59.9 and below

Exams: There will be three in-class exams, each covering approximately 1/3 of the class material. Each exam is worth 100 points. The final exam will be **cumulative**. The final exam is worth 200 points.

Attendance and Behavior: You are expected to attend every class. Attendance will be taken every class meeting. If you miss a quiz or a test or are late to a quiz, you must have a legitimate excuse to schedule a makeup. Some form of documentation regarding your absence is necessary. I reserve the right to decide what represents a valid excuse. More than **3 unexcused absences** will result in your being **dropped from the course**.

Come to class on time! If you arrive late, or must leave early, please do so quietly so as not to disturb the rest of the class. You are expected to behave as a responsible adult while in class. Disruptive behavior will not be tolerated, including chatting to other students during class; using cell phones, MP3 players, etc.; and doing outside work during class (i.e.

homework from other classes, balancing your checkbook, etc.). Initial disruptive behavior may result in you being asked to leave the classroom for the duration of the day, without opportunities for make-up of missed work. Continued or repetitive disruptive behavior will result in your being dropped from the course. For more information on expected classroom behavior at the College of Charleston, please see the student handbook or http://www.cofc.edu/StudentAffairs/general_info/honor_system/classroom_disruption.html.

Academic honesty: Every student is expected to adhere to the College of Charleston's academic honesty policy as outlined in the student handbook and on the college's webpage (http://www.cofc.edu/StudentAffairs/general_info/honor_system/index.html). You are allowed, in fact, encouraged, to study and prepare for exams and quizzes together outside of the classroom. However, everyone is expected to do their own work on quizzes, homework, exams, and labs. If you are caught cheating you will receive a grade of "XF" for the course, indicating that you were failed due to academic dishonesty. There will be ***no second chances***.

Tentative Schedule

<u>Dates:</u>	<u>Topic</u>	<u>Chapter(s)</u>
January 8, 10	Intro and Basic Concepts	1,2
12	Weathering and Soils	3
15	No Class!!! MLK, Jr. Day	
17, 19, 22	Weathering and Soils	3
24, 26, 29	Mass Wasting	4
31	Exam 1	1 – 4
February 2, 5, 7	Fluvial Processes	5
9, 12, 14	Fluvial Landforms	6
16, 19, 21, 23	Groundwater	7
26, 28	Tectonic Landforms	8
March 2	Exam 2	5 – 8
5 – 9	Spring Break !!!!!	
12, 14, 16, 19	Folds, Joints, and Faults	9 – 10
21, 23, 26, 28	Igneous Landforms	11
30	Shorelines	16
April 2, 4, 6	Shorelines	16
9	Exam 3	9 – 11, 16
11, 13, 16	Glacial Processes	12
18, 20, 23	Glacial Landforms	13
28 (Saturday)	Final Exam 12:00 – 3:00	

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Laboratory Schedule

Dates:		Topic
January	11	no lab!
	18	Geomorphic Analysis of Topographic Maps
	25	Geomorphic Analysis of Air Photos
February	1	Geomorphic Analysis of Soils (in field)
	8	Mass Wasting Landforms
	15	Fluvial Landforms (Humid Environments)
	22	Fluvial Landforms (Arid Environments)
March	1	Laboratory Exam 1
	8	Spring Break!!
	15	Karst Landforms
	22	Sedimentary Landforms
	29	Igneous and Metamorphic Landforms
April	5	Coastal Processes (in field)
	12	Glacial Landforms
	19	Laboratory Exam 2