

GEOLOGY 412 / 612
GEOMORPHOLOGY
FALL SEMESTER, 2003
(NDSU Call #'s 24881 / 23434)

Professor: D.P. Schwert (Family Life Center 314; Tel.: 231-7496; E-mail: donald.schwert@ndsu.nodak.edu)

Office Hours: Open. See schedule posted in Stevens 1st floor hallway for other conflicting times. Otherwise, I'm generally here during NDSU business hours. Appointments are welcome: simply phone or e-mail.

Class Time and Place: 9:00-9:50 p.m., Stevens 136.

Text (required):

"Surface Processes and Landforms," 2nd ed., by D.J. Easterbrook

Instructional Web Site: www.ndsu.edu/instruct/schwert/geosci/g412

Course E-News: All students are expected to have an e-mail account and to subscribe to the Geology 412/612 e-mail listserve. This is an automated subscription service, requiring you to follow these *exact* instructions:

1. Send an e-mail from your own account and addressed to: LISTSERV@LISTSERV.NODAK.EDU
2. In the message area, include just one line:

subscribe geo412 (if subscribing from your NDSU account)

If that fails, try this:

subscribe geo412 *yourfirstname yourlastname* (from outside accounts)

Be sure to remove signature lines and any other text. You will receive news on class cancellations, study sessions, exam content, and course information. You will be automatically unsubscribed from this list at the end of the semester.

Tentative Lecture and Exam Schedule, Reading Assignments:

W	Aug. 27	Landform evolution models	(Assignment: subscribe to E-News)
F	29	Mechanical weathering processes	(Ch. 3, pp. 13-22)
M	Sept. 1	NO CLASS: Labor Day	
W	3	Mechanical / Chem. weathering processes	(Ch. 3, pp. 22-40)
F	5	Chemical weathering	
M	8	Weathering rates / Saprolites / Spheroidal weathering	(Ch. 3, pp. 40-45)
W	10	Clays	
F	12	Clays / Introduction to Soils	(Ch. 3, finish)
M	15	NO CLASS: Black Hills Field Course	
W	17	NO CLASS: Black Hills Field Course	
F	19	NO CLASS: Black Hills Field Course	
M	22	Soils	
W	24	Soils / Paleosols	
F	26	Mass wasting processes	(Ch. 4)
M	29	Mass wasting processes	
W	Oct. 1	LAB: Mass wasting processes	
F	3	EXAM #1	
M	6	Fluvial processes	(Ch. 5)
W	8	Fluvial processes	
F	10	LAB: Fluvial processes I	
M	13	Fluvial processes	(Ch. 6, all except pp. 156-162)
W	15	Fluvial processes	

F	17	Fluvial processes	
M	20	Fluvial processes	
W	22	Fluvial processes	
F	24	LAB: Fluvial processes II	
M	27	Fluvial processes	
W	29	Fluvial processes / Tectonic landforms	(Ch. 8, 9, 10)
F	31	EXAM #2	
M	Nov. 3	Tectonic landforms	
W	5	Tectonic landforms	
F	7	Tectonic landforms	
M	10	NO CLASS: Veterans' Day	
W	12	LAB: Tectonic landforms	
F	14	Arid geomorphologic systems	(Ch. 6, pp. 156-162)
M	17	Arid geomorphologic systems	
W	19	LAB: Arid geomorphologic systems	
F	21	Eolian processes	
M	24	EXAM #3	
W	26	LAB: Eolian processes	
F	28	NO CLASS: Thanksgiving Recess	
M	Dec. 1	Coastal processes	
W	3	FIPSE Meetings, Denver	
F	5	LAB: Coastal processes	(Ch. 16)
M	8	Underground water	(Ch. 7)
W	10	Underground water	
F	12	LAB: Karst	
		MAP PROJECTS DUE AT CLASSTIME	
W	17	<i>FINAL EXAM (7:30 - 9:30 a.m.)</i>	

GRADES (GEOLOGY 412): Each exam will be assigned a certain number of “points” based on relative content. Roughly (and tentatively), the breakdown of your work in terms of “points” is:

Lecture Exam I	100
Lecture Exam II	100
Lecture Exam III	100
Map Project	100
Final Exam	150

GRADES (GEOLOGY 612): Above, but with no final curve and with the addition of a 100-point term paper to be submitted by classtime, Friday, December 5th. Enrolled students, please meet with me individually.

AUDITORS: Students taking this course for an “audit” must take all of the examinations and quizzes and complete the course with a final average of at least 50%.

LABS: Labs consist of two components: 1) a formal in-class introduction to lab materials, generally accompanied by slides; and 2) outside study using the materials provided. Demonstration and air photo materials will be available for a week subsequent to formal labs. Maps, however, will be available for your additional study throughout the semester at a point to be designated. No lab materials are to leave Stevens Hall.

The comprehensive final on December 17st will include a series of questions drawn from both lecture and lab presented to you as oral questions about slide scenes.

MAP PROJECT: See separate handout.

COURSE ATTENDANCE: Regular attendance in lecture and labs is an expectation.

SPECIAL NEEDS: Any students who require special accommodations for learning or who have special needs should share those concerns or requests with the instructor as soon as possible.

ACADEMIC RESPONSIBILITY: All work in this course must be completed in a manner consistent with NDSU University Senate Policy, Section 335: Code of Academic Responsibility and Conduct (<http://www.ndsu.nodak.edu/policy/335.htm>).

CATALOG DESCRIPTION: Lecture/lab class. Landforms and the processes by which they are formed and modified.

HOW TO FIND MY OFFICE: I am located on the 3rd Floor of the Family Life Center, off of a small hallway. We are still awaiting the arrival of signage for our doors. See map below.

