

Lecture: Monday, 3:00-4:50 111 Bretske Hall

Instructor: J. W. Mies, Ph.D. 105 Bretske Hall
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Text: Hamblin, W. K., and Howard, J. D., 2005, Exercises in Physical Geology, 12th Edition, Prentice-Hall, Englewood Cliffs, NJ, 238 p., ISBN 0-02-349520-0

Corequisite: Physical Geology Lecture (Geology 111), or permission of the department head
IMPORTANT: Physical Geology lecture (Geology 111) and lab (Geology 181) must be taken in order to receive general-education credit. Grades are calculated and reported separately for lecture and lab.

Hours: 1 credit hour / 2 contact hours

Description: Geology 181 is the laboratory for Geology 111 (Physical Geology). The laboratory includes studies of minerals and rocks, relationships among rocks and landforms, and geologic processes and events.

Geology 111 (with Geology 181) is a prerequisite for many of the geology courses offered at UTC. Students that are interested in taking geology courses beyond Geology 111, are encouraged to take *Historical Geology* (Geology 112 and Geology 182, lecture and lab), which focuses on the science of interpreting Earth's history and challenges students to apply and expand upon principles and knowledge of physical geology.

Geology 111 (with Geology 181), Geology 112 (with Geology 182), and Geology 116, *Current Geologic Perspectives*, are general education courses for the natural science requirement.

TENTATIVE SCHEDULE

Date	Quiz/exam	Topic	Exercise
Jan 10		Intro to GEOL 181, Minerals (part 1)	2
17		MLK holiday, no lab	
24		Minerals (part 2)	2
31	Minerals	Igneous rocks	3
Feb 7		Sedimentary rocks	4
14		Metamorphic rocks	5
21	Rocks	Geologic time (relative time)	6
28	EXAM	Mid-term exam	2 - 6, plus notes
Mar 7		Spring break, no lab	
14		Topographic maps	7
21	Topo maps	Plate tectonics	
28		Structural geology and geologic maps	16
Apr 4	Geol. maps	Earthquakes and seismic waves	
11		Hydrology and karst landscape	11
18	EXAM	Comprehensive lab exam	2-7, 11, 16, notes

GRADES AND RELATED MATTERS

The final numerical grade for the lab will be computed as follows.

22 %	Average of 4 or 5 lab exercises (brief written responses)	_____	x 0.22	= _____.
22 %	Average of 3 or 4 quizzes	_____	x 0.22	= _____.
25 %	Mid-term exam (Feb 28)	_____	x 0.25	= _____.
25 %	Comprehensive lab exam (April 18)	_____	x 0.25	= _____.
6 %	Attendance and participation	_____	x 0.06	= _____.
			TOTAL (Final numerical grade)	= _____.

The final letter-grade for this class (lab) will conform to the following scale, based upon the computed final numerical grade.

F 59.9, D=60-69.9, C=70-79.9, B=80-89.9, A=90-100

Students' writing, which will be required for quizzes, exams, and laboratory exercises, will count for no less than 50 % of the final grade in this class (lab).

QUIZZES AND LABORATORY EXERCISES

The opportunity to make up a quiz or laboratory exercise will be provided in only the most adverse circumstances (e.g. serious illness or accident).

Arrangements for a make-up quiz or laboratory exercise must be made with the instructor prior to the scheduled time of the activity. Documentation of the circumstance (e.g. doctor's note or police report) may be required.

In the event that a student is provided with a make-up quiz or exercise, he or she should anticipate that it is likely to be different from the regular quiz or exercise.

OTHER POLICIES

Students are expected to attend class regularly. Attendance and participation will be considered in the final grade. (See *Grades*.)

Students are expected to be punctual, prepared for class, attentive, and respectful of others.

Students that arrive late for an exam or quiz may not be permitted to take the exam or quiz.

Assignments are expected to be turned in on time. Late assignments will be accepted in only the most adverse circumstances (e.g. serious illness or accident). Documentation of the circumstance (e.g. doctor's note or police report) may be required.

All students are expected to follow the UTC honor code.

BLACKBOARD

Some aspects of this course are available through UTC's online course delivery system (Blackboard), which can be accessed at:

<http://utconline.utc.edu>

Your user name for Blackboard is your UTCID (mix of letters and numbers). If you don't know your UTCID, go to <http://onenet.utc.edu/> and click on Forgot Password.

Your password for Blackboard is the same as your password for your UTC e-mail (onenet) and for your access to the Lupton Library databases. If you change your password in Blackboard, you also change your password on both of these other systems. If you forget your password, go to the Forgot Password screen in either Onenet (<http://onenet.utc.edu/>) or in [Blackboard](#).

Documentation on student use of Blackboard is available at:

<http://utconline.utc.edu/BB6Students.html>

EMAIL (firstname-lastname@utc.edu)

To enhance student services, the University will use your UTC email address (firstname-lastname@utc.edu) for communications. (See <http://onenet.utc.edu> for your exact address.) Please check your UTC email on a regular basis. If you have problems with accessing your email account, contact the Help Desk at 423-425-2676.

ATTENTION: If you are a student with a disability and think that you might need special assistance or special accommodation(s) in this class or any other class, call the Office for Students with Disabilities/College Access Program at 425-4006 or come by the office, 110 Frist Hall.

This syllabus is subject to minor changes.