

GEOL 1103: Intro to Physical Geology

Lab Syllabus – CRN 34624

Instructor

Dr. Annette Veilleux

Email

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Office Location

Geology Room 101C

Office Hours

TBD

Teaching Assistant

TBD

Email

Office Hours

TBD

Course Overview

This laboratory course will serve as an introduction to the topics of Physical Geology and activities related to the study of minerals, rocks, plate tectonics, earthquakes, geologic structures, stream processes, groundwater processes, and natural hazards.

Students will learn by observation and application of principles of geology to understand how to think like a geologist and apply their knowledge in a laboratory environment to further understand geologic processes and topics that cover a range of areas from uses of minerals and rocks to identifying plate tectonic boundaries and types of faults associated with earthquakes.

Required Text

Title: Custom Laboratory Manual in Physical Geology, *Edited by Richard M. Busch and Illustrated by Dennis Tasa* or labs to be determined by instructor.

Publisher: American Geosciences Institute, National Association of Geoscience Teachers, 10th Edition

Attendance

In – class quizzes will be given that require your attendance. Failure to attend 3 labs will result in potentially being dropped from the class or a failing grade. Every effort will be made to align the lab course material with the associated lecture course, however at times will be covered out of sync with the lecture course.

Grading

Grades will be based on the following criteria and will be assigned using the scale:

Homework assignments	60%
Quizzes	20%
Active learning grade	10%
Tests	10%

Grading Scale:

A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=<60%

Course Schedule: Subject to Change

Week 1	June 12	Thinking Like a Geologist: An Introduction to Geology, pg. 1 -38	NO QUIZ
	June 13	Plate Tectonics pg. 39-72	QUIZ 1
	June 14	Crustal Deformation (Structural Geology) pg. 207-230	QUIZ 2
	June 15	Earthquakes and Tsunami pg. 295-308	QUIZ 3
Week 2	June 19	Minerals pg. 73-110	QUIZ 4
	June 20	Igneous Rocks pg. 129-152	QUIZ 5
	June 21	Volcanic Hazards not in manual	QUIZ 6
	June 22	TEST 1	TEST 1
Week 3	June 26	Weathering and Soil not in manual	QUIZ 7
	June 27	Sedimentary Rocks pg. 153-186	QUIZ 8
	June 28	Metamorphic Rocks pg. 187-206	QUIZ 9
	June 29	Running Water pg. 231-258	QUIZ 10
Week 4	July 3	Groundwater pg. 259-276	QUIZ 11
	July 4	UNIVERSITY HOLIDAY: NO CLASSES	
	July 5	Wind and Deserts pg. 277-294	QUIZ 12
	July 6	Make-Up Lab: Final Exam Review	
	July 10	Final Exam	TEST 2

Homework Policy

Homework assignments are at the discretion of the teaching assistant and will be as signed in class or posted in the class blackboard page. Homework must be turned in at the beginning of class on the due date. No late homework will be accepted. No homework may be submitted through email unless prior arrangements have been made (with an excused absence).

Student Conduct and Plagiarism

University guidelines for acceptable student conduct are very specific and will be strictly followed. Blind copying of intellectual material (text) from resources such as books, journals, and the internet is plagiarism and is illegal. Instead, you

should write things in your own words with a proper reference to the source. If any exercises or labs require you to look up an answer in something else than the class textbook, we will expect you to reference the source and write it in your own words. Plagiarized work will receive a “0” for the whole assignment and cannot be redone or made up.

Drop Policy

The course drop deadline is June 30, 2017. Non-attendance will not result in being dropped, but you will get zeros for the remaining work and likely fail the class.

Students with Disabilities

If you think you may have a disability or if you are experiencing learning difficulties, please contact the Center for Accommodation and Support Services (CASS) at: <http://sa.utep.edu/cass/>