

GEOL 1103: Intro to Physical Geology

Lab Syllabus – CRN

Instructor

Dr. Annette Veilleux

Email

amveilleux@utep.edu

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 **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:

In-class assignments 60%

Quizzes 20%

Active learning grade 10%

Final Exam 10%

Grading Scale:

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

Course Schedule: Subject to Change

Week 1: Aug 28 – Sept 1	Thinking Like a Geologist: An Introduction to Geology	NO QUIZ
Week 2: Sept 4 – Sept 8	Plate Tectonics (SEPT 4: UNIVERSITY HOLIDAY, NO CLASS, MONDAY ONLY)	QUIZ 1
Week 3: Sept 11 – Sept 15	Matter and Minerals	QUIZ 2
Week 4: Sept 18 – Sept 22	Magma, Igneous Rocks and Intrusive Activity	QUIZ 3
Week 5: Sept 25 – Sept 29	Volcanoes and Volcanic Hazards	QUIZ 4
Week 6: Oct 2 – Oct 6	Sedimentary Rocks/Metamorphism and Metamorphic Rocks	QUIZ 5
Week 7: Oct 9 – Oct 13	Geologic Time	QUIZ 6
Week 8: Oct 16 – Oct 20	Crustal Deformation	QUIZ 7
Week 9: Oct 23 – Oct 27	Earthquakes and Earthquake Hazards	QUIZ 8
Week 10: Oct 30 – Nov 3	Earth's Interior (COURSE DROP DEADLINE: NOV 3)	QUIZ 9
Week 11: Nov 6 – Nov 10	Running Water (Surface Water)	QUIZ 10
Week 12: Nov 13 – Nov 17	Groundwater	QUIZ 11
Week 13: Nov 20 – Nov 24	Deserts and Wind (NO CLASS ON NOV 23-24 ONLY)	QUIZ 12
Week 14: Nov 27 – Dec 1	Global Climate Change	QUIZ 13
Week 15: Dec 4 – Dec 8	Energy and Mineral Resources (DEC 7 LAST DAY OF CLASSES, DEC 8 DEAD DAY)	QUIZ 14
Week 16: Dec 11 – Dec 15	Final Exam Week	

Homework Policy

Homework assignments are at the discretion of the teaching assistant and will be assigned 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 Nov 3, 2017. Non-attendance will not result in being dropped, but you will get zeros for the remaining work and likely fail the class. It is your responsibility to initiate withdrawal from 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/>