

GEOL 1111: Principles of Earth Science

Lab Syllabus – CRN

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 topics in Earth Science and help promote a basic understanding of the processes related to the study of minerals, rocks, plate tectonics, earthquakes, geologic structures, volcanoes, the atmosphere, weather and climate change.

Students will learn by observation and application of principles of Earth Science to understand how to apply their knowledge in a laboratory environment to further understand principles related to their physical environment.

Required Text

Applications and Investigations in Earth Science by Tarbuck, Lutgens and Pinzke, 8th ed. lab manual

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: Jan 16 – Jan 19	What is Geology? (not in lab manual)	NO QUIZ
Week 2: Jan 22 – Jan 26	Location and Distance on Earth (pg. 349)	QUIZ 1
Week 3: Jan 29 – Feb 2	The Metric System and Measurements (pg. 365)	QUIZ 2
Week 4: Feb 5 – Feb 9	Plate Tectonics (pg. 119)	QUIZ 3
Week 5: Feb 12 – Feb 16	Geologic Structures (pg. 133)	QUIZ 4
Week 6: Feb 19 – Feb 23	Earthquakes (pg. 105)	QUIZ 5
Week 7: Feb 26 – Mar 2	Volcanoes (not in lab manual)	QUIZ 6
Week 8: Mar 5 – Mar 9	Study of Minerals (pg. 1)	QUIZ 7
Week 9: Mar 12 – Mar 16	SPRING BREAK: NO CLASSES	
Week 10: Mar 19 – Mar 23	Igneous Rocks and the Rock Cycle (pg. 25)	QUIZ 8
Week 11: Mar 26 – Mar 30	Sedimentary Rocks and Metamorphic Rocks – pg. 25 – 46 (COURSE DROP DEADLINE: MAR 29) MAR 30 UNIVERSITY HOLIDAY, NO CLASSES	QUIZ 9
Week 12: April 2 – April 6	Arid Landscapes (pg. 87)	QUIZ 10
Week 13: April 9 – April 13	Running Water and Groundwater (pg. 65)	QUIZ 11
Week 14: April 16 – April 20	Atmospheric Moisture, Pressure and Wind (pg. 231)	QUIZ 12
Week 15: April 23 – April 27	Weather Variability and Climate Change (pg. 271)	QUIZ 13
Week 16: April 30 – May 4	Make-Up Labs, Final Exam Review (MAY 4: DEAD DAY)	
Week 16: May 7 – May 11	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 March 29, 2018. 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/>