GEOL 1103: Intro to Physical Geology Lab Syllabus – CRN 15198

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: Laboratory Manual in Physical Geology, *Edited by Richard M. Busch and Illustrated by Dennis Tasa*

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	20%
Quizzes	60%
Active learning grade	20%

Grading Scale:

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

Course Schedule: Subject to Change

Week 1: Aug 29 – Sept 2	**Thinking Like a Geologist**
Week 2: Sept 5 – Sept 9	**Plate Tectonics and the Origin of Magma**
Week 3: Sept 12 – Sept 16	**Geologic Structures, Maps, and Block Diagrams**
Week 4: Sept 19 – Sept 23	**Earthquake Hazards and Human Risks**
Week 5: Sept 26 – Sept 30	**Mineral Properties, Identification, and Uses**
Week 6: Oct 3 – Oct 7	**Rock-Forming Processes and the Rock Cycle**
Week 7: Oct 10 – Oct 14	**Igneous Rocks and Processes**
Week 8: Oct 17 – Oct 21	**Sedimentary Processes, Rocks, and Environments**
Week 9: Oct 24 – Oct 28	**Metamorphic Rocks, Processes, and Resources**
Week 10: Oct 31 – Nov 4	**Dryland Landforms, Hazards, and Risks**
Week 11: Nov 7 – Nov 11	**Steam Processes, Landscapes, Mass Wastage, and Flood Hazards**
Week 12: Nov 14 – Nov 18	**Groundwater Processes, Resources and Risks**

Week 13: Nov 21 – Nov 25	**Climate Change**
Week 14: Nov 28 – Dec 2	**Make Up Lab: Dependent on TA**
Week 15: Dec 5 – Dec 9	**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 October 28, 2016. 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/