

# GEOL 1111: Principles of Earth Science Lab Syllabus

Instructor/Lab Coordinator: Dr. Annette Veilleux, [amveilleux@utep.edu](mailto:amveilleux@utep.edu), Geology Rm 101-C

Teaching Assistant: To be Assigned

## **Course Schedule: Subject to change !**

Week 1: Jan 21 – Jan 24	NO LAB	NO QUIZ
Week 2: Jan 27 – Jan 31	Earth's Systems	NO QUIZ
Week 3: Feb 3 – Feb 7	Plate Tectonics	Quiz 1
Week 4: Feb 10 – Feb 14	Crustal Deformation	Quiz 2
Week 5: Feb 17 – Feb 21	Minerals and Rocks, Rock Cycle	Quiz 3
Week 6: Feb 24 – Feb 28	Earthquakes	Quiz 4
Week 7: Mar 2 – Mar 6	Volcanoes and Igneous Rocks	Quiz 5
Week 8: Mar 9 – Mar 13	Weathering	Quiz 6
Week 9: Mar 16 – Mar 20 Spring Break – no classes	NO CLASSES, SPRING BREAK	NO QUIZ
Week 10: Mar 23 – Mar 27 Drop/Withdrawal Deadline: March 27	Sedimentary and Metamorphic Rocks	Quiz 7
Week 11: Mar 30 – Apr 3	Strike and Dip	Quiz 8
Week 12: Apr 6 – Apr 10 (no class on Apr 10 only)	NO CLASS	
Week 13: Apr 13 – Apr 17	Troposphere Lab	Quiz 9
Week 14: Apr 20 – Apr 24	Solar Energy - Latitude and Temperature Lab	Quiz 10
Week 15: Apr 27 – May 1	Precipitation Processes (Cloud in a bottle)	Quiz 11
Week 16: May 4 – May 8 (May 7 last day of classes; May 8 – Dead Day)	Climate Change Lab	Quiz 12

## **Required Text: To be determined by instructor.**

**ATTENDANCE** Quizzes will be given, so you must attend each lab! Attendance is mandatory every week. If you miss a lab, you will have one week to turn in the make-up lab with an excused absence. Unexcused absences are not accepted. 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.

**All labs will be turned in at the end of the lab period, makeups are at the discretion of the teaching assistant.**

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

In-class assignments                      40%    Active learning grade                      10%

Quizzes    50%

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

## **LEARN AND USE BLACKBOARD**

**All labs are on blackboard and a copy should be printed out and brought to class every week.**

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**CELL PHONE USE:** Turn off your phone ringer while in class.

## **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 27, 2020. 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/>

## **MILITARY STATEMENT**

If you are a military student with the potential of being called to military service and/or training during the course of the semester, you are encouraged to let me know well in advance.

## **POLICY ON MAKEUP LABS**

In class lab assignments are due in class after the lab session has completed. If an absence is excused, students will have one week to make up the lab. NO makeup labs will be given for reasons other than illness (doctor's note required), absence with the instructor's prior approval, or when a student is on official University business (documentation required).

If you arrive late and miss something, it is your responsibility to get the information or assignment on your own.

## **CONTACT INFORMATION**

When emailing the instructor or TA you must include the section you are enrolled in as well as the time/date of your class along with your name.

**INSTRUCTOR EMAIL** [amveilleux@utep.edu](mailto:amveilleux@utep.edu)

**OFFICE HOURS BY APPOINTMENT ONLY** (915) 747- 5501

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Teaching Assistant: To be Assigned

The teaching assistant is responsible for the class instruction, for questions contact:

## **TEACHING ASSISTANT EMAIL**

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## **TEACHING ASSISTANT OFFICE HOURS**

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### **Learning Outcomes**

1. **Students** will be able to articulate the benefits and responsibilities of working as a member of a team within the context of the course and its relevance in a professional environment. This will be accomplished through peer learning and group work within the lab environment demonstrated by active learning methods in each weekly lab assignment.
2. **Students** will be able to evaluate critically fundamental Earth science literature and spatial data (e.g., photographs, maps, remotely sensed images) through verbal and written analysis of the weekly lab topic by maintaining a journal of reflective summaries.
3. **Students** will be able to use specific skills (e.g., map reading, field methods, observations, laboratory methods for analysis, image processing, geophysical data and computer modeling) to interpret geological materials, history, and features in each weekly lab assignment.
4. **Students** will be able to describe the processes operating at and beneath the Earth's surface, how those processes create the Earth's landscape, and how humans affect and are affected by the processes. This will be measured through the use of a weekly journal entry of a concept sketch.
5. **Students** will be able to identify common Earth materials and interpret their composition, origin, uses and relationship. This will be measured through a lab assignment on application of Earth materials and minerals.
6. **Students** will be able to present geological information clearly in written, graphic, and oral forms through participation in class discussion through gallery walks.
7. **Students** will be able to communicate their research and geological concepts with the general public by attending the annual geological departmental colloquium.
8. **Students** will understand the responsibilities, qualities and ethics of leadership based on the participation in a final project to be presented orally in class.