

GEOL 1111: Principles of Earth Science Lab Syllabus

Instructor/Lab Coordinator: Dr. Annette Veilleux, amveilleux@utep.edu, Geology Rm 101-C

Teaching Assistant: To be Assigned

Course Schedule: Subject to change !

Week 1: Jan 22 - Jan 25	Thinking Like a Geologist	NO QUIZ
Week 2: Jan 28 - Feb 1	Minerals and Rocks	Quiz 1
Week 3: Feb 3 - Feb 8	Geologic Time	Quiz 2
Week 4: Feb 11 - Feb 15	Plate Tectonics	Quiz 3
Week 5: Feb 18 - Feb 22	Volcanoes	Quiz 4
Week 6: Feb 25 - Mar 1	Earthquakes	Quiz 5
Week 7: Mar 3 - Mar 8	Weathering	Quiz 6
Week 8: Mar 11 - Mar 15	Freshwater	Quiz 7
Week 9: Mar 18 - Mar 22 (SPRING BREAK)	Deserts and Wind	
Week 10: Mar 25 - Mar 29 (Mar 29 Cesar Chavez Holiday, no class) (Apr 5 - Drop Deadline)	Oceans	Quiz 8
Week 11: Apr 1 - Apr 5	Atmosphere	Quiz 9
Week 12: Apr 8 - Apr 12	Moisture, Clouds and Weather	Quiz 10
Week 13: Apr 15 - Apr 19 (April 19, Study Day, no class)	Climate Change	Quiz 11
Week 14: Apr 22 - Apr 26	Planets and Space	Quiz 12
Week 15: Apr 29 - May 3	Presentations	Quiz 13
Week 16: May 6 - May 10 (May 10 - Dead Day, no class)	Last week of lab, no final exam Makeup Labs	Quiz 14
Week 17: May 13 - May 17	Final Exam Week	

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.

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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.

Required Text: To be determined by instructor.

ATTENDANCE: Quizzes will be given, so you must attend each lab! 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	50%	Active learning grade	10%
Quizzes	20%	Final exam	10%
Project	10%		

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

HOMEWORK POLICY

Homework assignments, if given, are at the discretion of the teaching assistant and will be assigned in class or posted on 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). 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. Two of the lowest quiz grades may be dropped at discretion of your teaching assistant.

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

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expect you to reference the source and write it in your own words. Plagiarized work will receive a "O" for the whole assignment and cannot be redone or made up.

DROP POLICY

The course drop deadline is April 5, 2019. 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 EXAMINATIONS

NO makeup exams 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). There are no make ups for quizzes or in class activities. 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

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

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

TEACHING ASSISTANT EMAIL:

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