

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: Aug 26 – Aug 30	Course Introduction	NO QUIZ
Week 2: Sept 2 – Sept 6 (Sept 2 nd Labor Day, University Closed)	Thinking Like a Geologist	Quiz 1
Week 3: Sept 9 – Sept 13	Plate Tectonics	Quiz 2
Week 4: Sept 16 – Sept 20	Earthquakes	Quiz 3
Week 5: Sept 23 – Sept 27	Minerals and Rocks and Rock Cycle	Quiz 4
Week 6: Sept 30 – Oct 4	Volcanoes and Igneous Rocks	Quiz 5
Week 7: Oct 7 – Oct 11	Sedimentary Rocks	Quiz 6
Week 8: Oct 14 – Oct 18	Metamorphic Rocks	Quiz 7
Week 9: Oct 21 – Oct 25	Crustal Deformation	Quiz 8
Week 10: Oct 28 – Nov 1 (Nov 1 – Drop Deadline)	Weathering	Quiz 9
Week 11: Nov 4 – Nov 8	Troposphere Lab	Quiz 10
Week 12: Nov 11 – Nov 15	Latitude and Temperature Lab	Quiz 11
Week 13: Nov 18 – Nov 22	Precipitation Processes	Quiz 12
Week 14: Nov 25 – Nov 29 (Thanksgiving Holiday Nov 28 – 29, no class)	Climate Change	Quiz 13
Week 15: Dec 2 – Dec 6 (Dec 5 last day of classes; Dec 6 – Dead Day)	Deserts and Wind Blackboard Exam Due	Quiz 14
Week 16: Dec 9 – Dec 13	Final Exam Week	NO QUIZ

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 25% Exam on Blackboard 15%

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.

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

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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 1, 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 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

OFFICE HOURS BY APPOINTMENT ONLY (915) 747- 5501

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

TEACHING ASSISTANT EMAIL

TEACHING ASSISTANT OFFICE HOURS

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.