

Physical Geology Laboratory 1303: Earth & Space Science (Dual Credit)
August 16, 2021
Fall Semester 2021

Michelle Bompezzi Phone: 806-705-5368

Email: mbompezzi@frenship.us

Room: 1016

Conference: Blue Day 4th Period & Gold Day 7th Period

Course Description:

Laboratory activities designed to accompany Geology 1303. The laboratory includes experiments

over topics such as Earth materials, structure, landforms, mineral resources, and plate tectonics.

Course Approach and Expectations:

Students are expected to attend all classes, be on time, bring all necessary materials (laptop, paper, pens/pencils, notebook, etc.), and be ready to work. We will have fun, but we will work hard so your participation and focus will be necessary for your success!

Labs will be part of your daily work thus counting toward 60% of your grade.

Participation may include individual, or group work and all safety procedures will be followed at all times. You will learn about rocks and minerals that make up Earth and the sometimes subtle and often destructive processes that shape it. You will learn and test fundamental concepts about meteorite impacts, volcanoes, earthquakes, river flooding, oil and gas resources, groundwater, and plate tectonics. Many examples will be from West Texas and western North America. Problem-solving techniques that you will learn and practice:

- Use multiple working hypotheses
- Be skeptical: look for ways to test hypotheses
- Make sketches: they help in visualizing the world in three dimensions
- Quantify events and processes when possible
- Apply the Principle of Uniformitarianism
- Study and work together
- Get as much practice or experience as you can
- Carefully defend your thinking when answering questions.
- Learning outcomes will be evaluated by exams and class assignments

Grading:

90 - 100 = A

80 - 89 = B

70 - 79 = C

69 and below = F

Daily Work - 60%

Assessments - 40%

Final - All students are required to take the final during the **week of December 6th** which will average in toward your final grade. **Exact date to be announced.**

Late work will be accepted within a reasonable amount of time however, you will lose 5 points each day it is late and you forfeit your ability to make corrections or redo the assignment.

Attendance Policy:

Students are required to attend all classes. We will follow FHS attendance policy and procedure. It is your responsibility to ask a classmate about what you missed and make time to come in if necessary to make up assignments. All assignments will be posted in Schoology!

Field Trips:

I am planning two field trips, one each semester. More info to come! Class dues of \$10 will be required before students can attend the trip. It is not mandatory to attend the trip, but class dues must be paid in order to attend.

Palo Duro Canyon - Investigate the local geology and identify rocks and minerals using the skills learned in class and during lab investigations.

Course Content:

Introduction: Scientific Method & Safety Review (2 blocks) 8/16-19 Target Test Date: 8/19	Unit: 1 Rocks and Minerals (8 blocks) 8/20-9/13 Target Test Date: 9/13
Paper Airplane Lab Measurement Lab Design your own experiment	Mineral Identification Lab Rock Identification Lab
Unit: 2 Weathering and Erosion (6 blocks) 9/14-30 Target Test Date: 9/30	Unit: 3 Hydrosphere and Topography (5 blocks) 10/1-15 Target Test Date: 10/15
Rocky Beach Project River Erosion Lab	Topography Lab Drawing a Profile
Unit: 4 Plate Tectonics (7 blocks) 10/18-11/4 Target Test Date: 11/4	Unit: 5 Deformation (12 blocks) 11/5-12/15 Target Test Date: 12/9
Discovering Plate Boundaries Building Pangea	Project Volcanoes Shake Table Project

Student Disability Services:

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA), and subsequent legislation.

The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student's responsibility to initiate such a request by contacting:
Ms. Dallas A. Swafford
Director of Student Disability Services
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center

Title IX Statement:

Angelo State University is committed to the safety and security of all students. If you or someone you know experience sexual harassment, sexual assault, domestic or dating violence, stalking, or discrimination, you may contact ASU's Title IX Coordinator:
Michelle Nicole Boone, J.D.
Director of Title IX Compliance
Michelle.boone@angelo.edu
325-486-6357
Mayer Administration Building 204

Student Absence for Observance of Religious Holy Days:

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Day for more information.

Incomplete Grade Policy:

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures for more information.

Student Conduct Policies:

Academic Integrity

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from

ASU.

Plagiarism

Plagiarism is a serious topic covered in ASU's Academic Integrity policy in the Student Handbook.

Plagiarism is the action or practice of taking someone else's work, idea, etc., and passing it off as one's own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation

marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving

appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality via Turnitin. Resources to help you understand this

policy better are available at the ASU Writing Center.

Copyright Policy

Students officially enrolled in this course should make only one printed copy of the given articles and/or

chapters. You are expressly prohibited from distributing or reproducing any portion of course readings

in printed or electronic form without written permission from the copyright holders or publishers.

General Policies Related to This Course:

All students are required to follow the policies and procedures presented in these documents:

Angelo State University Student Handbook

Angelo State University Catalog