

GEOL 1104

HISTORICAL GEOLOGY LAB



Instructor: Dr. Elizabeth C. Koeman-Shields

Email: ekoemanshields@angelo.edu

Phone: 616-446-6145 (cell)

Virtual Office Hours: By appointment only

Course Information

Student Learning Outcomes

This course is designed to familiarize the student with the processes, principles, and theories involved in Historical Geology. The student will learn how to carefully defend their thinking when completing and answering questions on laboratory assignments. Learning outcomes will be evaluated by quizzes, lab assignments, and a lab exam. At the end of this course, the student will be able to:

1. Describe the scientific method and apply it in a geological context.
2. Identify common rocks and minerals and interpret how they form.
3. Identify fossil and interpret their lifestyles.
4. Draw stratigraphic columns using rock data.
5. Draw paleogeographic maps using fossil and rocks data.
6. Interpret geologic history and sedimentary environment from rock and fossil data.

Required Materials

- Computer
- Printer and scanner (smartphone scanner app can be used)
- Pencil and Eraser
- Colored pencils
- Ruler

Communication

Written communication via email: All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes. In your emails, include the course name and section number in your subject line. I will respond to email and/or telephone messages within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday.

Technology

You will be required to have a computer with internet access for this course. You will be required to turn in assignments on Blackboard and Gradescope using a scanner.

Grading

Evaluation and Grades

Course grades will be determined as indicated in the table below.

Assessment	Percent of Total Grade
Pre-lab Reading Quizzes	40
Lab Assignments	50
Lab Final	10
Total	100%

Grading System

Course grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:

A = 90.00-100%

B = 80.00-89.99%

C = 70.00-79.99%

D = 60.00-69.99%

F = 0-59.99%

Attendance and Assignment Policy

You are expected to complete each lab. Missed assignments, quizzes, and exams cannot be made up. NOTE: You are NOT automatically dropped if you stop completing assignments. The last day to drop this course is August 2, 2021.

Pre-lab Reading Quizzes

All of the labs contain reading that is necessary for completing the lab. This material needs to be read BEFORE completing the lab. Quizzes will be due at the same time as the associated lab assignments. See the course schedule for those dates. Make up quizzes are not allowed.

Lab Assignments

Two lab exercises will be assigned each week covered topics from rocks and minerals to fossils. Video instructions will be posted for each lab. Labs can be completed in groups but each person should turn in their own, individual work (don't just copy some else's answers, you don't learn this way). Labs are due the Sunday after they are assigned.

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](#)¹
- [Angelo State University Catalog](#)²

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.

The College of Science and Engineering adheres to the university's [Statement of Academic Integrity](#).³

Accommodations for Students with Disabilities

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.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student's responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the [Student Disability Services website](#).⁴ The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center, Room 112

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](#)⁵ for more information.

Plagiarism

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)⁶ 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. I encourage you to work together on homework assignments and to study together for exams. However, anything you turn in must be in your own words.

Papers are subject to be evaluated for originality. Resources to help you understand this policy better are available at the [ASU Writing Center](#).⁷

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](#)⁸ for more information.

Title IX at Angelo State University

The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU's Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Boone, J.D.
Director of Title IX Compliance/Title IX Coordinator
Mayer Administration Building, Room 210
325-942-2022
michelle.boone@angelo.edu

You may also file a report online 24/7 at www.angelo.edu/incident-form.

If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information about Title IX in general you may visit www.angelo.edu/title-ix.

Course Schedule (subject to change)

Week	Topics	Materials Needed	Due Date
#1: 7/12 - 7/16	Rock Forming Minerals	Computer, printer, scanner, pencil, and eraser	July 18 at 11:59pm
	Sedimentary Rocks	Computer, printer, scanner, pencil, and eraser	July 18 at 11:59pm
#2: 7/19 - 7/23	Fossils	Computer, printer, scanner, ruler, pencil, and eraser	July 25 at 11:59pm
	Stratigraphic Columns	Computer, printer, scanner, colored pencils, pencil, and eraser	July 25 at 11:59pm
#3: 7/26 - 7/30	Paleogeographic maps	Computer, printer, scanner, colored pencils, pencil, and eraser	Aug. 1 at 11:59pm
	Dinosaur Virtual Field Trip	Computer, printer, scanner, pencil, and eraser	Aug. 1 at 11:59pm
#4: 8/2 - 8/6	Paleo-Geoenvironments	Computer, printer, scanner, colored pencils, pencil, and eraser	Aug. 8 at 11:59pm
#5: 8/9 - 8/13	Lab Final	Computer	Aug. 13 at 11:59pm

¹ <https://www.angelo.edu/student-handbook/>

² <https://www.angelo.edu/catalogs/>

³ <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

⁴ <https://www.angelo.edu/services/disability-services/>

⁵ <https://www.angelo.edu/content/files/14197-op-1011-grading-procedures>

⁶ <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

⁷ https://www.angelo.edu/dept/writing_center/academic_honesty.php

⁸ <https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of>