Instructor: Dr. Elizabeth C. Koeman-Shields
Email: ekoemanshields@angelo.edu
Phone: 325-486-6767 (office)
Office: VIN 124

Office Hours: MWF 10:00 am-11:00 am, M 3:00pm-5:00pm, and W 4:00pm-5:00pm, or by appointment

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 and practice how to study and work together and how to carefully defend their thinking when answering questions or participating in a discussion. Learning outcomes will be evaluated by quizzes, lab assignments, and lab practicals. At the end of this course, the student will be able to:

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

Required Texts and Materials
Textbook: Historical Geology Lab Manual by Heather L. Lehto

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 may use a laptop, tablet, or cell phone to take notes during class. Please do not disturb others with their use. Please keep all electronics on vibrate or silent. The use of any electronic
device not authorized by the instructor during a test may result in the forfeiture of your grade for that test. All electronic devices should be turned off and stored out of sight during tests.

Grading

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

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percent of Total Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Practicals (2; 5% each)</td>
<td>10</td>
</tr>
<tr>
<td>Pre-lab Quizzes (8; 5% each)</td>
<td>40</td>
</tr>
<tr>
<td>Lab Assignments (10; 5% each)</td>
<td>50</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

Extra Credit Opportunities
Make-up a single lab or 2 pre-lab reading quiz grades by participating on an optional field trip and turning in a brief project report. On optional weekend trips we will travel in a university van and most expenses will be covered.


2) Saturday, April 11: Art and Science Day at the San Angelo Museum of Fine Art. Leader: Heather Lehto.


4) Weeknights to be announced: Elementary School Science Nights. Share fossils, compasses, photos, and maps with interested elementary school students and their parents. Pizza is typically provided.

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% (Grades will not be rounded up)
Attendance and Assignment Policy
You are expected to attend every lab meeting. We will be working on labs at every meeting. If you must miss a lab, contact me if you need help getting your lab done. You will find it extremely difficult to pass this lab if you do not attend regularly and participate! NOTE: You are NOT automatically dropped if you stop attending class. March 26th is the last day to drop a course.

Pre-lab Reading Quizzes
Most of the labs contain reading that is necessary for completing the lab. This material needs to be read BEFORE coming to lab. Quizzes will be due the Sunday night before lab meeting on Blackboard. See the course schedule for those dates. Make up quizzes are not allowed.

Lab Assignments
Lab exercises will be completed each week covered topics from rocks and minerals to fossils. Short introduction will be given before each lab, however much of the information for the lab will be found in the reading in the lab manual. 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 one week from the day we start them in class. For labs that require the use of samples, the samples will be kept on the tables in the hallway outside the lab room, in case you don’t finish the lab during the allotted lab period.

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

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.

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. 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 for more information.

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. 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.

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.

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)

<table>
<thead>
<tr>
<th>Week</th>
<th>Lab Exercises</th>
<th>Assigned Reading</th>
<th>Deadline for Pre-Lab Quiz</th>
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</thead>
<tbody>
<tr>
<td>1/13 - 1/17</td>
<td>No lab this week</td>
<td>Chem Hygiene Safety Quiz</td>
<td></td>
</tr>
<tr>
<td>1/22 - 1/24</td>
<td>No lab this week Buy your lab manual!</td>
<td>Chem Hygiene Safety Quiz</td>
<td></td>
</tr>
<tr>
<td>1/27 - 1/31</td>
<td>1: Rock Forming Minerals</td>
<td>Chapter 1</td>
<td>1/26, 11:59pm</td>
</tr>
<tr>
<td>2/3 - 2/6</td>
<td>2: Sedimentary Rocks: Describing and Interpreting Sedimentary Env.</td>
<td>Chapter 2</td>
<td>2/2, 11:59pm</td>
</tr>
<tr>
<td>2/10 - 2/14</td>
<td>3: Stratigraphy and Stratigraphic Columns</td>
<td>Chapter 3</td>
<td>2/9, 11:59pm</td>
</tr>
<tr>
<td>2/17 - 2/21</td>
<td>4: Igneous and Metamorphic Rocks</td>
<td>Chapter 4</td>
<td>2/16, 11:59pm</td>
</tr>
<tr>
<td>2/24 - 2/28</td>
<td>5: Field Trip 1: Permian Trackways, San Angelo State Park (lab due at end of trip)</td>
<td>Chapter 5 (includes directions to the park)</td>
<td>2/23; 11:59pm</td>
</tr>
<tr>
<td>3/2 - 3/6</td>
<td>Lab Practical 1: Labs 1-5</td>
<td>Study labs and Chapters 1-5</td>
<td></td>
</tr>
<tr>
<td>3/9 - 3/13</td>
<td>Spring Break</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/30 - 4/3</td>
<td>8: More Common Texas Fossils</td>
<td>Chapter 8</td>
<td>3/29, 11:59pm</td>
</tr>
<tr>
<td>4/6 - 4/10</td>
<td>9: Field Trip 2: Fossil Localities near Christoval (lab due at end of trip)</td>
<td>Chapter 9 (includes directions to meeting place)</td>
<td></td>
</tr>
<tr>
<td>4/13 - 4/17</td>
<td>10: Paleo-Geoenvironments</td>
<td>Chapter 10</td>
<td></td>
</tr>
<tr>
<td>4/20 - 4/24</td>
<td>Review all fossils in lab Practice Lab Practical</td>
<td>Study labs and Chapters 6-10</td>
<td></td>
</tr>
<tr>
<td>4/27 – 5/1</td>
<td>Lab Practical 2: Labs 6-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5/4 - 5/9</td>
<td>Lab does not meet</td>
<td></td>
<td></td>
</tr>
</tbody>
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1. [https://www.angelo.edu/student-handbook/](https://www.angelo.edu/student-handbook/)
2. [https://www.angelo.edu/catalogs/](https://www.angelo.edu/catalogs/)
4. [https://www.angelo.edu/services/disability-services/](https://www.angelo.edu/services/disability-services/)
5. [https://www.angelo.edu/content/files/14197-op-1011-grading-procedures](https://www.angelo.edu/content/files/14197-op-1011-grading-procedures)
7. [https://www.angelo.edu/dept/writing_center/academic_honesty.php](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](https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of)