GEOL 1104 Spring 2021
HISTORICAL GEOLOGY LAB

Instructor: Dr. Elizabeth C. Koeman-Shields
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Office: VIN 124

Virtual Office Hours (hours subject to change): MTWR 10:00 am-11:00 am; MW 2:00 pm-3:00 pm; 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 how to carefully defend their thinking when answering questions and with their writing. Learning outcomes will be evaluated by lab assignments, quizzes, and exams. At the end of this course, the student will be able to:

1. Be able to identify fossils, describe their preservation method, and describe their lifestyles.
2. Be able to identify rocks and minerals and describe their formation processes.
3. Read, interpret and make stratigraphic columns.
4. Read, interpret, and construct paleogeographic maps.

Texts and Materials
- Lab Manual: GEOL 1104, Historical Geology Laboratory Manual, Heather L. Lehto (this is optional, I will post all lab pages)
- Colored pencils, pencil and eraser, printer/scanner, ruler

Course Delivery
This is an online course that will be delivered via Blackboard. Each week, one or two labs will be posted on Monday at 8am and due at end of day Sunday (giving you a full week to complete the labs). Each lab contains a pre-lab quiz and the lab assignment. For each lab, detailed written and video instructions will be given.
If you do go on campus, please refer to this Health and Safety web page for updated information about campus guidelines as they relate to the COVID-19 pandemic.

**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 using a scanner or camera.

Access to exams will be through Respondus Lockdown Browser. Respondus requires a desktop computer or laptop. For best results, use an ethernet cable to connect to your Internet source instead of relying on Wifi. Refer to the Blackboard course for Respondus installation instructions.

**Core Curriculum Student Learning Outcomes**

The following list of core curriculum student learning outcomes will be met and measured during this course:

<table>
<thead>
<tr>
<th>Student Learning Outcome</th>
<th>Assessment Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Gather, analyze, evaluate, and synthesize information relevant to a question or issue</td>
<td>Lab Quiz</td>
</tr>
<tr>
<td>2. Develop, interpret, and express ideas through effective visual communication.</td>
<td>Lab Assignment</td>
</tr>
<tr>
<td>3. Manipulate and analyze numerical data and arrive at an informed conclusion</td>
<td>Lab Assignment</td>
</tr>
<tr>
<td>4. Manipulate and analyze observable facts and arrive at an informed conclusion</td>
<td>Average Lab Grade</td>
</tr>
<tr>
<td>5. Work effectively with others to support and accomplish a shared goal.</td>
<td>IDEA Forms</td>
</tr>
</tbody>
</table>

**Grading**

**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%

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 Assignments (8)</td>
<td>60</td>
</tr>
<tr>
<td>Pre-Lab Quizzes (8)</td>
<td>25</td>
</tr>
<tr>
<td>Lab Exams (2)</td>
<td>15</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

Attendance and Assignment Policy
You are expected to keep track of due dates and complete each learning module. 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 April 30, 2021.

General Policies Related to This Course
All students are required to follow the policies and procedures presented in these documents:
- Angelo State University Student Handbook³
- Angelo State University Catalog⁴

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.⁵

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.⁶ 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 Procedures⁷ for more information.

**Plagiarism**  
Plagiarism is a serious topic covered in ASU’s Academic Integrity policy⁸ 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.⁹

**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 Day¹⁰ 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.

Required Use of Masks/Facial Coverings by Students

As a member of the Texas Tech University System, Angelo State University has adopted the mandatory Facial Covering Policy11 to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy students in this class are required to wear a mask/facial covering at all times while on campus. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech
University System Policy may result in disciplinary action through the Office of Student Conduct.

Modifications to the Syllabus

This syllabus, including grade evaluation and course schedule, is subject to modification. In particular, the COVID-19 pandemic may require significant changes in course delivery and content on potentially short notice.

Course Schedule (subject to change)

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Assigned Reading</th>
<th>Materials Needed</th>
<th>Due Date (pre-lab quizzes &amp; labs)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1: 3/22 - 3/26</td>
<td>Navigating the course + Lab Safety Quiz</td>
<td>pg. 1-14</td>
<td>Pencil, pg. 16-17 in manual</td>
<td>3/28 @ 11:59pm</td>
</tr>
<tr>
<td></td>
<td>Lab 1: Minerals</td>
<td></td>
<td></td>
<td>3/28 @ 11:59pm</td>
</tr>
<tr>
<td>#2: 3/29 - 4/2</td>
<td>Lab 2: Sedimentary Rocks</td>
<td>pg. 18-26</td>
<td>Pencil, pg. 27-28 in manual</td>
<td>4/4 @ 11:59pm</td>
</tr>
<tr>
<td></td>
<td>Lab 3: Stratigraphic Columns</td>
<td>pg. 29-37</td>
<td>Pencil, colored pencils, ruler, pg. 38-40 in manual</td>
<td>4/4 @ 11:59pm</td>
</tr>
<tr>
<td>#3: 4/5 - 4/9</td>
<td>Lab 4: Igneous and Metamorphic Rocks</td>
<td>pg. 42-50</td>
<td>Pencil, pg. 52-53 in manual</td>
<td>4/11 @ 11:59pm</td>
</tr>
<tr>
<td></td>
<td>Lab 5: Virtual Field Trip</td>
<td>Posted material</td>
<td>Pencil, posted material</td>
<td>4/11 @ 11:59pm</td>
</tr>
<tr>
<td>#4: 4/12 - 4/16</td>
<td>Practice for Lab Quiz 1</td>
<td>None (online)</td>
<td></td>
<td>4/18 @ 11:59pm</td>
</tr>
<tr>
<td></td>
<td><strong>Lab Quiz 1</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#5: 4/19 - 4/23</td>
<td>Lab 6: Paleogeographic maps</td>
<td>pg. 61-63</td>
<td>Pencil, colored pencils, pg. 65-67 in manual</td>
<td>4/25 @ 11:59pm</td>
</tr>
<tr>
<td></td>
<td>Lab 7: Identifying Fossils</td>
<td>pg. 68-98</td>
<td>Pencil, posted material</td>
<td>4/25 @ 11:59pm</td>
</tr>
<tr>
<td>#6: 4/26 - 4/30</td>
<td>Lab 8: Paleogeographic Environments</td>
<td>pg. 110</td>
<td>Pencil, posted material</td>
<td>5/2 @ 11:59pm</td>
</tr>
<tr>
<td>#7/8: 5/3 - 5/13</td>
<td>Lab 9: Extra Credit Lab (optional)</td>
<td>TBA</td>
<td></td>
<td>5/9 @ 11:59pm</td>
</tr>
<tr>
<td></td>
<td>Practice for Lab Quiz 2</td>
<td>None (online)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Lab Quiz 2</strong></td>
<td>Printer, pencil, ruler, colored pencils</td>
<td></td>
<td>5/13 @ 11:59pm</td>
</tr>
</tbody>
</table>

*all listed times are in central time (CT) zone (GMT -06:00)

1. [https://blackboard.angelo.edu/](https://blackboard.angelo.edu/)
3. [https://www.angelo.edu/student-handbook/](https://www.angelo.edu/student-handbook/)
4. [https://www.angelo.edu/catalogs/](https://www.angelo.edu/catalogs/)