

**GEOL 1303 Physical Geology Lecture (3 credits)  
Fall 2021**

Section 080 MWF 11-11:50AM  
ROOM: VIN 139

Instructor: Mrs. Jessica A. Garza, M.S.  
Email: jgarza85@angelo.edu  
Office hours: VIN 130, M Noon-1pm, W 9:00am-10:00 am, or contact me to set up a convenient time to meet (very flexible with virtual office hour meetings).

**REQUIRED MATERIALS:**

- TEXTBOOK: *Earth: Portrait of a Planet, 6th Edition, Stephen Marshak , with Smartwork access code.*
- LAB MANUAL: *GEOL 1103, Physical Geology Laboratory Manual, Heather L. Lehto*
- ASU email account that you check regularly
- Blackboard course site: <http://blackboard.angelo.edu>

**STUDENT LEARNING OBJECTIVES:** Learning outcomes will be evaluated on exams, lab projects, and an IDEA course evaluation

- 1) Describe and draw the layers of the Earth, including the chemically and physically different layers.
- 2) Describe the theory of plate tectonics including identifying plate boundaries, describing plate motions at boundaries, and identifying landforms/features associated with each boundary.
- 3) Identify rocks and minerals and describe their formation processes.
- 4) Identify and describe various volcanic hazards.
- 5) Identify and describe various earthquake hazards.
- 6) Describe how mountains are formed including how stress causes deformation and what kinds of deformation result.
- 7) Place geologic events in order using the geologic principles and correlate layers on a regional scale.
- 8) Evaluate good and bad aspects of energy resources.
- 9) Describe where our water comes from in Texas and how humans can affect those sources.
- 10) Explain variations in the ocean and coastlines.
- 11) Describe how climate changes and what affect humans have on climate change.

**CORE CURRICULUM STUDENT LEARNING OUTCOMES:** The following list of core curriculum student learning outcomes will be met and measured during this course.

Student Learning Outcome	Assessment Method
1. Gather, analyze, evaluate, and synthesize information relevant to a question or issue.	Lab Quiz
2. Develop, interpret, and express ideas through effective visual communication.	Lab Assignment
3. Manipulate and analyze numerical data and arrive at an informed conclusion	Homework/In-class Assignment
4. Manipulate and analyze observable facts and arrive at an informed conclusion	Average Lab Grade

5. Work effectively with others to support and accomplish a shared goal.	IDEA Forms
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**ATTENDANCE POLICY:** Attendance and possible quizzes will be completed within the first 5 mins of all lecture meetings. You are expected to attend all scheduled class meetings. Missed lecture activity points CANNOT be made up. Please inform me well ahead of time if you will need to be absent for any reason including religious holidays. NOTE: You are NOT automatically dropped if you stop attending class. November 2 is the last day to drop a course.

**CELL PHONES AND OTHER ELECTRONIC DEVICES:** You may use a laptop or tablet to take notes during class. Please do not disturb others with their use. 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:**

- 3 exams (40%)
- 1 comprehensive final exam (15%)
- In-class activities (25%)
- 4 Smartwork Homework Assignments (20%)
  
- Extra Credit Project (+ 0 – 5 pts), Brief, illustrated report about a scientific paper on a geology topic of your own choosing. Details to be provided after Exam 1.

Make-up exams will be given for tests ONLY under extenuating circumstances. Prior email notification is needed for a make-up exam. There will be NO makeups for in-class activities or Smartwork homework assignments given.

**SMARTWORK ASSIGNMENTS**

To complete the Smartwork assignments you will need to register with Smartwork using the registration code you got when you purchased the book. If you didn't get a code when you purchased the book you can purchase one during the registration process. Use the following instructions to create an account with Smartwork:

To enroll in SmartWork you will need a valid ASU email address and a Registration Code from W. W. Norton. Registration codes are bundled with new books at your instructor's request. If you do not have a registration code, you may purchase one when signing up.

**Register For Smartwork**

1. Click on the link for any Smartwork Assignment from the Smartwork Assignments Link in the menu in Blackboard.
2. Select "No, I need to register, purchase, or sign up for trial access." Click the green button to continue.
3. Fill out all fields and enter either the registration code that came with your book or select the "I want to purchase access" option. NOTE: Use your ASU email as the email address for you Smartwork account. Don't forget to record your account information for future reference!

**Access your Smartwork Assignments and through the links in the appropriate area on Blackboard.**

For each homework assignment you will complete a list of questions. You can submit answers to the questions up to 4 times, however, each additional submission after the first will cost you a 5% deduction on your grade. So don't just go guess until you get it right, it will cost you.

**CLASS PREPARATION ASU EMAIL:** Since class announcements will be routinely distributed via email and Blackboard, you will need to regularly check your ASU email account and our course Blackboard site (daily). All course correspondence will be through your ASU email account and Blackboard. Please see the email policy in Bb for more details. ASU provides Internet and email services to you at any of the computer labs on campus. Call 942-2911 to set this up if necessary.

**LECTURE:** A typical class meeting will combine lectures, discussions, group activities, multimedia presentations, and other demonstrations and activities to give you an opportunity to learn concepts in as active a manner as possible.

**KNOWLEDGE SURVEYS:** Knowledge surveys are intended to give you a means of self-assessing your own learning and to serve as a guide for studying. The entire Knowledge Survey for this course is available in pdf format on Blackboard all the time. Knowledge survey items that will be tested on individual exams will be posted on a Blackboard quiz (there are **NO POINTS** for these) at least a week prior to the Exam. Taking the Knowledge Survey quiz will help you categorize the items you need to study based on your confidence in your knowledge of the item. The results of your Knowledge Survey quiz will be shown after clicking "OK" after taking the quiz. If you should need your results again for any reason simply email me (jgarza85@angelo.edu).

### **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 Statement of [Academic Integrity](#)<sup>i</sup>

### **PLAGIARISM**

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)<sup>ii</sup> 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](#)<sup>iii</sup>.

### **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.

## **STUDENTS WITH DISABILITIES:**

1. "Angelo State University 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 Act of 2008 (ADAAA), and subsequent legislation."

2. 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 the Office of Student Affairs, University Center, Room 112 at (325) 942-2047 or (325) 942-2211(TDD/FAX) or by e-mail at [studentservices@angelo.edu](mailto:studentservices@angelo.edu) to begin the process. The Office of Student Affairs will establish the particular documentation requirements necessary for the various types of disabilities.

Reasonable accommodations will be made for students determined to be disabled or who have documented disabilities.

## **TITLE IX**

Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.

You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Boone, J.D.

You may submit reports in the following manner:

Online: [www.angelo.edu/incident-form](http://www.angelo.edu/incident-form)  
Face to Face: Mayer Administration Building, Room 210  
Phone: 325-942-2022  
E-Mail: [michelle.boone@angelo.edu](mailto:michelle.boone@angelo.edu)

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State's policy please visit: [www.angelo.edu/title-ix](http://www.angelo.edu/title-ix).

**INCOMPLETE GRADE POLICY:** (OP 10.11 Grading Procedures)

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.

**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.” Please see ASU Operating Policy 10.19.

**COURSE EVALUATION:** Students are provided the opportunity and are strongly encouraged to participate in a course evaluation at the end of the semester.

**GEOLOGIC EXHIBITION ORGANIZATION (GEO):**

GEO, the student organization of all interested in geology (not just majors/minors), meets almost every Wednesday @ 6:00PM. GEO is a student chapter of the American Association of petroleum Geologists ([www.aapg.org](http://www.aapg.org)). Sigma Gamma Epsilon, the national honor society of the earth sciences is related to GEO.

**YOU CAN MAJOR OR MINOR IN GEOLOGY @ ASU!** See the BS in Geoscience requirements at [https://www.angelo.edu/physics/geoscience\\_degree.php](https://www.angelo.edu/physics/geoscience_degree.php). A Geology Minor requires 18 hours of geology courses. Good and rewarding careers exist for geologists, geophysicists, hydrogeologists, secondary science teachers, and petroleum engineers. Talk to your professor and read [http://www.angelo.edu/dept/physics/Geosciences/geoscience\\_careers.php](http://www.angelo.edu/dept/physics/Geosciences/geoscience_careers.php).

**INFORMATION ABOUT COVID-19**

Please refer to ASU's [COVID-19 \(Coronavirus\) Updates](#)<sup>iv</sup> web page for current information about campus guidelines and safety standards as they relate to the COVID-19 pandemic.

**MODIFICATIONS TO THE SYLLABUS**

This syllabus, including grade evaluation and course schedule, is subject to modification on potentially short notice based on developing circumstances.

**FINAL NOTE:**

It is my goal to make this class both interesting and informative for you. With a reasonable amount of effort, it should be possible for everyone to meet the course objectives and earn a passing grade. With additional effort, aptitude, and investment of time, students may earn even higher course grades. If at any time you run into difficulties with the material, or need assistance or clarification, please do not hesitate to ask for help. I am here for you, and I will be glad to entertain any reasonable requests.

**SCHEDULE:** All information is subject to change.

<b>Lecture Topic</b>	<b>Chapter(s)</b>
Syllabus Planet Earth	Ch 1 & 2
<b><i>No classes Monday, September 6</i></b> Minerals	Ch 5
Continental Drift and Plate Tectonics	Ch 3 & 4
<b>Exam 1: Chapters 1-5</b> Igneous Rocks Sedimentary Rocks	Ch 6- 7
Metamorphic Rocks	Ch 8
Volcanoes Earthquakes	Ch 9 Ch 10
Mountain Building <b>Exam 2: Chapters 6-9</b>	Ch 11
Geologic Time	Ch 12
Energy Resources	Ch 14
Streams	Ch 17
Groundwater <b>Exam 3: Chapters 10, 11, 12, 14</b>	Ch 19
Climate Change	Ch 23
Oceans	Ch 18
<b><i>No classes Wed-Fri November 24-26</i></b>	
TBD/Atmosphere Review and Evals	Ch 20
<b>Final Exam</b> <b>Wednesday , December 8, 10:30am-</b> <b>12:30am</b>	

<sup>i</sup> <http://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

<sup>ii</sup> <http://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

<sup>iii</sup> [http://www.angelo.edu/dept/writing\\_center/academic\\_honesty.php](http://www.angelo.edu/dept/writing_center/academic_honesty.php)

<sup>iv</sup> <https://www.angelo.edu/covid-19/>