

# PS-1117 Syllabus, 2022 Spring



## Description

This course serves as a laboratory introduction to the Physical Sciences and is intended to accompany Physical Science 1317.

## Time and Location

Section	Weekday	Time	Location	Instructor
01Z	Tuesday	1:00 to 2:50	VIN 155	Garza
02Z	Wednesday	1:00 to 2:50	VIN 155	Shields

## Instructor Information

Instructor	Office	Office Hours	Email
Mrs. Jessica Garza	VIN 130	MW 9am-10am, Noon-1pm. T Noon-1pm. OR by appointment.	Jessica.garza@angelo.edu
Mr. Stephen Shields	VIN 135	Monday: 1 – 4pm; Tuesday: 2 – 4pm; Friday 2 – 3pm	Stephen.shields@angelo.edu

## Student Learning Outcomes

Upon completion of PS-1117, the student will understand scientific reasoning in the natural sciences and will have demonstrated technical and analytical skills be engaging in quantitative laboratory experimentation. Learning outcomes will be assessed using written work including lab reports and exams.

## Course Materials

- Introductory Physical Science PS-1117 Laboratory Experiences. This lab manual is available at the ASU bookstore. Each student must bring it to each lab meeting.
- Pencil or pen. Although pens are allowed, excessive mark-outs may be counted as wrong answers.

## Assessment

- Daily Grade (50%): The daily grade includes the Lab Experience Hand-In Page (handed in at the end of each lab meeting), attendance (recorded at each lab meeting), and class participation. One lab grade is dropped before computing the daily grade.
- Lab Exams (50%): There will be two lab exams during the semester. Each exam will count for 25% of the overall lab grade.

## Attendance Policy

There are no make-ups for missed lab meetings or for any quizzes administered during those meetings. If you must miss a lab due to University business, you may request to attend another lab meeting. These arrangements must be made in advance. Students without advance arrangements approved by all involved instructors will not be allowed to attend any alternate section of lab. Attendance will be taken at each lab meeting.

## Classroom Conduct

Mobile phones and music players must be put away at all times. Note that this means that you cannot use a mobile phone as your calculator. Use of any electronic device other than your calculator during an exam is not allowed.

Each student must bring his/her own lab manual to class. Additional copies are not available.

Food, candy, gum, drinks, tobacco, or any vapor products are not allowed in the laboratory at any time.

Students showing up late may receive a penalty for their grade on that lab or may not be allowed to attend lab that day at all.

Most lab experiences require individuals to work together in groups of approximately six students. Each student will be required to submit individual work during each lab meeting for grade evaluation; answers to questions should always be in your own words. Do not copy essay answers from other students. No student will be given credit for any copied answers.

## Weekly Schedule

Week of	Lab
Jan 17	<i>No Lab, Purchase Lab Manual</i>
Jan 24	The Periodic Table and Systematic Thinking
Jan 31	Chemical Analysis: Using Chromatography
Feb 7	Chemical Reactions: Qualitative Chemical Analysis
Feb 14	Environmental Chemistry: Water Quality Assessment
Feb 21	Mathematical Modeling: The Spread of Disease
Feb 28	No lab
Mar 7	<b>Midterm Lab Exam</b>
Mar 14	<i>No Lab, Spring Break</i>
Mar 21	Minerals: The Special Ingredient
Mar 28	Plate Tectonics: Discovering Plate Boundaries
Apr 4	Earthquakes: Finding the Epicenter
Apr 11	Scale of the Solar System
Apr 18	Phases of the Moon: Misconceptions About Moonlight
Apr 25	Constellations (special schedule, in planetarium)
May 2	<b>Final Lab Exam</b>
May 9	<i>No Lab, Finals Week</i>

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](#)

KNOW THE ASU HONOR CODE: Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits. Students are responsible for understanding the Academic Honor Code, which is contained in both print and web versions of the Student Handbook.

**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](#)

**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.

**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.

**DROP DATE:** April 28, 2022 is the last day to drop/withdraw, Regular Term, Spring 2022. The appropriate form must be submitted by 5:00 p.m. Central Time.

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

**COUNSELLING SERVICES:** Our mental health is just as important as our physical health, particularly now that we are being socially distant. Humans are social creatures who need contact with other people to stay mentally healthy. During this time, it is more important than ever to seek help if you need it. You can always call or email me if you need to talk about something, but I also strongly encourage you to reach out to the [ASU Counseling Services](#)<sup>ii</sup>, who are available for help anytime you need it. You can find them in the [University Health Clinic building](#)<sup>iii</sup> or by calling 325-942-2371 Monday through Friday from 9am-3pm. Need help outside those hours? For emergencies call 911 or the [ASU Crisis Helpline](#)<sup>iv</sup> at 325-486-6345. You can also call the ASU Crisis Helpline for non-emergency issues as well.

## 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:** 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](mailto:michelle.boone@angelo.edu)

**You may also file a report online 24/7 at [www.angelo.edu/incident-form](http://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](http://www.angelo.edu/title-ix).

**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. The faculty member reserves the option to make changes as necessary to this syllabus and the course content. If changes become necessary during this course, the faculty will notify students of such changes by email, course announcements and/or via a discussion board announcement. It is the student's responsibility to look for such communications about the course on a daily basis.

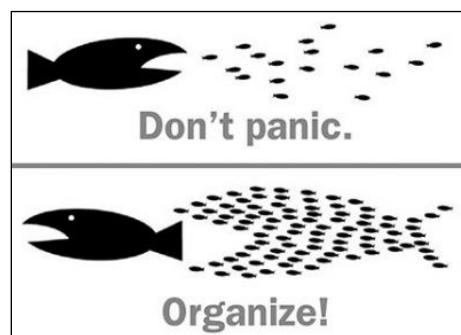
**GEOLOGIC EXHIBITION ORGANIZATION (GEO):** GEO, the student organization of all interested in geology (not just majors/minors), meets almost every Wednesday @ 6:00PM. GEO is a student chapter of the [American Association of petroleum Geologists](#). Sigma Gamma Epsilon, the national honor society of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

**YOU CAN MAJOR OR MINOR IN GEOLOGY @ ASU:** See the [BS in Geoscience requirements](#). A Geology Minor requires 18 hours of geology courses. Good and rewarding careers exist for geologists, geophysicists, hydrogeologists, secondary science teachers, and petroleum engineers.

**LIFE HAPPENS CLAUSE:** Life happens to all of us. Despite our best efforts, some days nothing seems to go right. Your car breaks down on the way to school, you run out of the house without something and have to go back despite the fact that you were already running late, your boss calls you into work, or your child is sick and you have to go pick them up from daycare/school. Or, you get so overwhelmed that everything seems too much to deal with. If this happens to you, please email me. We will figure out what to do to keep you on track in the course. Whether that means extra tutoring sessions, deadline extensions, or something else. Please don't suffer in silence. I want to help out, you just need to let me know what is going on.

### MY 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.



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<https://blackboard.angelo.edu/>

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

<sup>1</sup> <https://www.angelo.edu/academics/catalog/>

<sup>1</sup> <https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=97>

<sup>1</sup> <https://www.angelo.edu/current-students/disability-services/>

<sup>1</sup> <https://angelo.policystat.com/policy/10659448/latest/>

<sup>1</sup> <https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=97>

<sup>1</sup> [https://www.angelo.edu/current-students/writing-center/academic\\_honesty.php](https://www.angelo.edu/current-students/writing-center/academic_honesty.php)

<sup>1</sup> <https://angelo.policystat.com/policy/10659368/latest/>

<sup>1</sup> <https://www.angelo.edu/incident-form>

<sup>1</sup> <https://www.angelo.edu/title-ix>

<sup>1</sup> <https://www.angelo.edu/covid-19/>