

# 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 markouts may be counted as wrong answers.

## 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.

## 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.
- You must complete the lab safety quiz in [Blackboard](#).<sup>i</sup> in order to receive a grade in this class.

## ACADEMIC INTEGRITY

All students are required to follow the policies and procedures presented in these documents:

- [Angelo State University Student Handbook](#)<sup>ii</sup>
- [Angelo State University Catalog](#)<sup>iii</sup>

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.

## PLAGARISM

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)<sup>iv</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>v</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:

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](mailto:ADA@angelo.edu). For more information about the application process and requirements, visit the [Student Disability Services website](#).<sup>vi</sup> The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dr. Dallas Swafford

Director of Student Disability Services

Office of Student Affairs

325-942-2047

[dallas.swafford@angelo.edu](mailto:dallas.swafford@angelo.edu)

Houston Harte University Center, Room 112

## 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. See ASU Operating Policy 10.11 [Grading Procedures](#)<sup>vii</sup> for more information.

### 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](#)<sup>viii</sup> for more information.

### Information About COVID-19

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

### YOU CAN MAJOR OR MINOR IN GEOLOGY @ ASU!

See the [BS in Geoscience requirements](#)<sup>x</sup>. A Geology Minor requires 18 hours of geology courses. Good and rewarding careers exist for geologists, geophysicists, hydrogeologists, environmental geologists, secondary science teachers, and petroleum engineers. Talk to your professor and read information about [geoscience careers](#)<sup>xi</sup>.

**SYLLABUS CHANGES:** 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.

## 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/Review
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>

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

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

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

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

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

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

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

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

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

<sup>x</sup> [https://www.angelo.edu/physics/geoscience\\_degree.php](https://www.angelo.edu/physics/geoscience_degree.php)

<sup>xi</sup> [http://www.angelo.edu/dept/physics/Geosciences/geoscience\\_careers.php](http://www.angelo.edu/dept/physics/Geosciences/geoscience_careers.php)