

Angelo State University
PS 1317 Physical Science Lecture
Spring 2022

Section 010 MWF 11am-11:50am
Room: VIN 158



Our Course

INSTRUCTOR: Mrs. Jessica A. Garza, M.S.

EMAIL: Jessica.garza@angelo.edu

OFFICE HOURS: MW 9am-10am, Noon-1pm. T Noon-1pm. OR by appointment.

LEARNING OUTCOMES AND ASSESSMENT: An introduction to the foundations of physical science, including selected areas of physics, chemistry, earth science, and space science. Upon completion of this course, the student will gain factual knowledge in science, learn fundamental principles of science, and gain a broader understanding and appreciation of science. Learning outcomes will be assessed through in-class activities, and exams.

REQUIRED MATERIALS:

- ✓ “The Physical Universe”, by Krauskopf and Beiser (McGraw Hill, 2017) available in blackboard is required reading for this course.
- ✓ ASU email account that you check regularly
- ✓ Blackboard course site at [ASU Blackboard](#).
- ✓ Colored Pencils, calculator or smartphone, pencil.

GRADING:

Category	% grade
In-class Group Activities	35
Homework	10
Group Project	15
Midterm Exam	20
Final Exam	20

There will be no make-ups for homework, in-class activities, and exams. The midterm and Final exam will take place online. In general, there is no late work in this course.

GRADING SCALE: 100-90=A; 89-80=B; 79-70=C; 69-60=D; 59 and below=F

COURSE DELIVERY AND ATTENDANCE: This is a face-to face course. You are expected to attend all scheduled class meetings in-person. Please inform me well ahead of time if you will need to be absent for any reason.

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.

CLASS PREPARATION ASU EMAIL & BLACKBOARD: 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. 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.

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. Please keep all electronics on vibrate or on silence. 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.

General Policies

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](#)ⁱ web page for current information about campus guidelines and safety standards as they relate to the COVID-19 pandemic.

ASU Assistance

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 Servicesⁱⁱ](#), who are available for help anytime you need it. You can find them in the [University Health Clinic buildingⁱⁱⁱ](#) 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^{iv}](#) 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 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

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 Calendar

TENTATIVE CALENDAR: Physical Science course calendar.

2022

January							
Wk	M	T	W	Th	F	Sa	Su
						1	2
	3		5		7	8	9
	10		12		14	15	16
1	17		19 Overview		21 Overview	22	23
2	24 Ch 10		26		28	29	30
3	31						

February							
Wk	M	T	W	Th	F	Sa	Su
3			2		4	5	6
4	7 Ch 11		9		11	12	13
5	14		16		18	19	20
6	21 Ch 12		23		25	26	27
7	28 Ch 14						

March							
Wk	M	T	W	Th	F	Sa	Su
7			2		4	5	6
8	7 MID EXAM		9		11	12	13
SB	14 Spring Break		16 Spring Break		18 Spring Break	19	20
9	21 Ch 15		23		25	26	27
10	28		30				

April							
Wk	M	T	W	Th	F	Sa	Su
10					1	2	3
11	4		6 Ch 16		8	9	10
12	11		13		15 Ch 17	16	17
13	18		20		22 Ch 18-19	23	24
14	25		27		29	30	1

May							
Wk	M	T	W	Th	F	Sa	Su
15	2		4		6	7	8
Fin	9 No class		11 FINAL EXAM		13	14	15
	16		18		20	21	22
	23		25		27	28	29
	30						

Our Course Continued

TENTATIVE CHAPTER OVERVIEW:

Ch 10 The Periodic Law: Elements, compounds, periodic law, atomic structure, and chemical bonds.

Ch 11 Crystals, Ions, and Solutions: Solids, Solutions, Acids, and Bases

Ch 12 Chemical Reactions: Quantitative chemistry, chemical energy, reaction rates, oxidation, and reduction

Ch 14 Atmosphere and Hydrosphere: The atmosphere, weather, climate, and hydrosphere

Ch 15 The Rock Cycle: Minerals, rocks, earthquakes, vulcanism, and erosion

Ch 16 The Evolving Earth: Isostasy, Diastrophism, Tectonics, and historical geology

Ch 17 The Solar System: Sun, Inner planets, Outer planets, and the Moon

Ch 18 The Stars and Universe: Telescopes, Sun, stars, galaxies, expansion, and the search for extraterrestrial life.

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.

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.



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

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

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

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

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

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

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

¹ https://www.angelo.edu/current-students/writing-center/academic_honesty.php

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

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

¹ <https://www.angelo.edu/title-ix>

¹ <https://www.angelo.edu/covid-19/>

