

PS 3311 010 Physical Science Concepts I

Fall 2019

MWF 10:00 – 10:50

VIN 155

Instructor: Scott Williams (VIN 128)

Office Hours: MWF 9:00 – 10:00, MTRF 13:00 – 14:00, W 13:00 – 16:00, and by appointment

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Text: *Physical Science 3311 Manual, Fall 2019 ed.*

Course Description: This course is a study of physical systems and sub-systems, interactions, measurements, unit systems, motion, forces, energy, properties of matter, and sound.

Course Attendance: Course attendance is the responsibility of the student. Attendance will be taken at each class meeting. Absences are neither excused or unexcused. Students are expected to be in class for the full time. Students missing more than 10 minutes of class will receive a zero participation grade for that day. For every 3rd absence recorded, a course letter grade will be lost.

Late Work Policy: Homework is due on the assigned date. No late submissions will be accepted. The only exceptions granted are for university excused absences and religious holidays in which I am notified in advance in writing. Participation grades may only be earned in class on the day of the activity.

Course Evaluation: Course grades are a culmination of activities, quizzes, and tests. Activities include homework, in-class participation grades, journal entries, and projects. There will be a total of six quizzes and two tests including the final. Final grades are weighted as follows:

Tests	30%
Quizzes	30%
Activities	40%.

Classroom Etiquette: Teams of four students will conduct the investigations. Team assignments will be made at the beginning of the term and may be changed regularly during the term. The use of cell phones during class is strictly forbidden. Any student observed using a cell phone during instructional time will receive a participation grade of zero for that day. Any student not respecting the learning environment and the learning process of their peers will be asked to leave.

Course Objectives & Student Learning Outcomes: The objective of the study of the physical sciences as a component to the major curriculum for teacher education is to ensure excellence in the instruction of natural science objectives by the teachers in the State of Texas. Specific outcomes and objectives include that the student will:

1. Understand and apply appropriate methods and technology to the study of the natural sciences.
2. Recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.
3. Demonstrate technical and analytical skills appropriate to a future career in teaching by engaging in quantitative laboratory experimentation.
4. Demonstrate the intellectual ability to translate, interpret, and extrapolate the most important scientific models and laws governing units and measurement, motion, forces, matter and energy.

5. Further develop critical thinking and problem-solving skills in the area of physics and the natural sciences.

These course objectives will be assessed by observation of participation in the classroom activities and through the two in-class tests and six in-class quizzes.

Students with Disabilities: Persons with disabilities which may warrant academic accommodations must contact the Student Life Office, Room 112 University Center, in order to request such accommodations prior to any accommodations being implemented.

Academic Honesty: Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits. *Any student caught cheating will receive a grade of F for the semester.* Students are responsible for understanding the Academic Honor Code, which is available online here: www.angelo.edu/forms/pdf/Honor_Code.pdf

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.

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. A student who is absent from classes for the observance of a religious holy day shall be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence.

Course Schedule

08/26	Introduction and Safety, U1
08/28	U2, U3
08/30	U4, U5
09/04	U6, U7
09/06	U7, U8
09/09	U9, Quiz #1
09/11	M1, M2
09/13	M2, M3
09/16	M4, M5
09/18	M5, M6
09/20	M7, M8
09/23	M9, Quiz #2
09/25	F1
09/27	F2
09/30	F2, F3
10/02	F3
10/04	F4, F5
10/07	F6
10/09	F7
10/11	F8, Quiz #3
10/14	Test #1
10/16	E1
10/18	E2
10/21	E3, E4
10/23	E5
10/25	E6
10/28	E7
10/30	E8, Quiz #4
11/01	PM1
11/04	PM2
11/06	PM3
11/08	PM4
11/11	PM5, PM6
11/13	PM7, PM8, PM9
11/15	PM10, PM11
11/18	PM11, Quiz #5
11/20	S1, S2
11/22	S2, S3
11/25	S3, S4
12/02	S4, S5
12/04	S5, S6
12/06	S6, Quiz #6
12/09	Test #2 (10:30 – 12:30)

The instructor reserves the right to modify/adjust any of the procedures, grading scales, and scheduling presented in this syllabus.