Physical Science 3311 – Advanced Physical Science Concepts I
Course Syllabus – Fall 2017

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

Instructor Information
Section 020: MWF 11:00 – 11:50am
Trey Holik, Ph. D.
Email: eholik@angelo.edu
Office: VIN 121
Office Hours: MTWRF 8:45a-10a; TR 10a-11a; WR 1p-2p

Course Information
Location: VIN 155
Text: Physical Science 3311 Manual, 3-Ring Binder (1.5”)
Calculator: 4-function calculator

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 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 and exams. Activities include homework, in-class participation grades, journal entries, and projects. There will be a total of six quizzes and two exams including the final. Activities account for 40%, Quizzes account for 30% and Exams account for 30% of the final grade.

Classroom Etiquette
Teams of four students will conduct the investigations. Team assignments will be made at the beginning of the term and will be changed regularly during the term. No cell phone, music players, or recording devices will be allowed in class. Exceptions to recording devices may only be made for students with a disability waiver. 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 three in-class exams.

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. You are encouraged to make this request early in the semester so that appropriate arrangements can be made.

Academic Honesty
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 available online here: www.angelo.edu/forms/pdf/Honor_Code.pdf

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