General Physics II
PHYS 1402 010/02Z
Summer II 2017
MTWRF 10:00-11:45 and TWR 14:00-16:45
VIN 160

Instructor: Scott Williams (VIN 128)
Office Hours: TWR 13:00-14:00 on laboratory days and/or by appointment
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Course Description: Study of electricity, magnetism, light, and atomic physics. Concurrent enrollment in a PHYS 1402 laboratory section is required.

Student Learning Outcomes: Upon completion of this course, the student will have gained factual knowledge in physics, learned fundamental principles of physics, and applied course material to problem solving. Student learning outcomes will be assessed using tests, in-class homework, and quizzes.

Policies: Mobile phones and music players must be turned off 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 a test is not allowed. There are no make-up opportunities for quizzes, homework, and/or tests. No late quizzes/homework will be accepted.

Grading: Final grades are based on laboratory report, quiz/homework, and test grades. Four regular tests will be given during the semester. Final grades will be weighted as follows:
laboratory reports: 25%
homework and quizzes: 15%
tests: 60%

Accommodations: Persons with disabilities which may warrant academic accommodations must contact the Student Life Office (UC 112) in order to request and to implement academic accommodations. 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.

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. Any student caught cheating will receive a grade of F for the course.
Course and Laboratory Schedule

July 10: Introduction, Chapter 18

July 11: Chapter 18, Introduction to Lab Reports

July 12: Chapter 19, Equipotentials and Electric Fields

July 13: Chapter 19, Chapter 20, Ohm's Law and Resistivity

July 14: Chapter 20, Review

**July 17: Test #1**

July 18: Chapter 21, Kirchhoff's Rules

July 19: Chapter 21, Chapter 22

July 20: Chapter 22, The RC Time Constant

July 21: Chapter 24

July 24: Chapter 24, Review

**July 25: Test #2**, The Magnetic Field of a Long Straight Wire

July 26: Chapter 25, Refraction and Snell's Law

July 27: Chapter 25, Chapter 26, Thin Lenses

July 28: Chapter 26, Chapter 27

July 31: Chapter 27, Review

**August 1: Test #3**

August 2: Chapter 29, The Hydrogen Atom Line Spectrum

August 3: Chapter 29, Chapter 30, Half-Life of a Radioactive Isotope

August 4: Chapter 30

August 7: Chapter 31

August 8: Chapter 31, Review

**August 9: Test #4**

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