

Course Syllabus PHYS 1408 Section 1

Fall 2012

Instructor: Prof. Mark Holtz

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Office: SC 120

Office Hours: 12:30–1:30 (TWTh) and by appointment

Class: TTh 2:00–3:20 SC 7

Required Text and Laboratory Manual: *Physics for Scientists and Engineers with Modern Physics, 8th Ed.*, by Serway and Jewett bundled with *WebAssign* access code (Brooks/Cole CENGAGE). The *Physics 1408 Lab Manual* is sold separately or bundled by the bookstore.

Course Coverage: Chapters 1-22 in the text.

Grading Policy: The following scores will be accumulated during the course of the semester:

Exam I	Of these 5 scores, the lowest will be dropped. The remaining 4 count equally toward 70% of your class grade. The purpose of this policy is for missed exams due to illness or other unavoidable circumstances. No makeup exams given.	70%
Exam II		
Exam III		
Final Exam		
Final Exam		
Lab		10%
Recitation		10%
Homework		10%
Total		100%

The letter grade scale is as follows: (50-65) D; (65-80) C; (80-90) B; (90-100) A.

Online homework from the www.WebAssign.net website be assigned and graded weekly. The deadline will be Sunday at 11:59 pm. Start early. The course key is **ttu 0345 2550**. This key is *unique to this section* of PHYS1408.

Required *Laboratory and Recitation* will each be conducted during the assigned meetings. Your laboratory and recitation scores will be managed entirely by the instructors for those meetings.

Exam ground rules: You are allowed to bring a 3"×5" equation card that you prepare yourself. Front and back is okay. Anything larger than this will be cut by the instructor using approximate measurements. You are allowed to bring a calculator compatible with what is allowed for taking the SAT exam. A less sophisticated scientific calculator is sufficient for this course. **You will need a scantron sheet (orange, five answer) for each exam including the final.**

Approximate Coverage and Tentative Dates for Exams:

- Chapters 1-5 on September 27.
- Chapters 6-10 on October 25.
- Chapters 11-18 on November 20.

In-class exams will be returned at the next class meeting. If there is any question about your score you must bring it to the instructor's attention within 24 h after the exam is returned.

Final Exam (Chapters 1-22): The *comprehensive* final exam will be given on Monday, December 10, 1:30 p.m. to 4:00 p.m. SC 7. Two 3"×5" equation cards are allowed.

Course Goals: This course is intended to acquaint students with the basic laws of physics, to develop a better understanding of physical science in general, and help prepare you for other upper-division science and engineering classes. To this end, the course will emphasize a mix of laboratory, conceptual understanding and standard end-of-chapter homework solving skills.

Methods for Assessing the Expected Learning Outcomes: The expected learning outcomes for the course will be assessed through problems on the homework sets, problems on the in-class exams, effort in labs and recitations, and problems on the final exam.

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Expected Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Understand and apply principles of basic mechanics, waves, and thermodynamics.
2. Use the laws of physics covered in the course.

Important Notes:

- Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make any necessary arrangements. Students should present appropriate verification from Student Disability Services during the instructor's office hours. Please note instructors are not allowed to provide classroom accommodations to a student until appropriate verification from Student Disability Services has been provided. For additional information, you may contact the Student Disability Services office in 335 West Hall or 806-742-2405.
- If you expect to miss a class period due to the observance of a religious holy day, TTU policy states that you must inform your instructor, in writing, by the sixteenth day of the semester. Accommodation for exams and assignments can then be made.
- The faculty is committed to upholding high standards of academic integrity. These standards, at the minimum, require that students **never** present the work of others as their own.

Strategy for Success:

- Be prepared! Study your notes, read the text material *before* we cover it in class, and take advantage of the online resources. This will help you keep up, will make for more productive classroom interaction, and will help keep you prepared for homework, labs, and exams.
- Begin all homework assignments as soon as possible. Don't get behind or wait until the due date to begin.
- Don't "blow off" the first exam just because there is a dropped score. The purpose of the dropped score is in case of illness or other extenuating circumstances.
- Use pencil and paper to do homework problems, keep your solutions for reviewing prior to exams. Once you can work through a problem with your notes, book, study group, etc., be sure you can rework it entirely on your own.
- If you are stuck, use available department resources including course instructor, TAs, SI.

Classroom Etiquette:

- It is extremely rude to leave during a lecture. Since attendance of lectures is optional, please do not come to the lecture if you are unable to attend for the full duration. Physical illness is an obvious exception. If you have an expected reason to depart early, please inform the lecturer at the beginning of class and sit in a convenient location for leaving without disturbing the class.
- Reading newspapers or unrelated material, texting or talking on your cell, visiting with your neighbor, and irrelevant activities are not allowed in class. Do these things and you will be asked to leave.
- No laptops or any other electronic devices are allowed in class unless the need for such device for reason of a disability is documented by AccessTECH.