

Tentative Syllabus for Physics 240: Fall 2006

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Physics Gateway: <http://www.lyon.edu/webdata/users/shutton/index.html>

Class Website: <http://www.lyon.edu/webdata/users/shutton/0phy240-2006/index.html>

During class periods and during tests: cell phones are to be switched off.

Office Hours

I will schedule several office hour blocks. I will be very close to my office during these times. Otherwise, I will usually be close to my office but you may find me in the physics lab, my research lab or in the magnet room. If you want to find me outside of office hours, make an appointment so that you will be sure to find me. My schedule is located on the physics home page which you may review to determine office hours.

Grading

As a general guide to grades, grades will be assigned as follows:

100-90]	(90-80]	(80-70]	(70-60]	<(60
A	B	C	D	F

In this course, you will have several grading opportunities, tests, homework and in-class problems. The various weight of each of these activities in your final point grade is shown below. **Late assignments will normally not be accepted. Additionally, since we will be doing in-class problems, poor attendance will negatively affect your grade. There are no make-ups for in-class worksheets.**

Tests (3 tests and 1 [comprehensive] final exam)=80%

Each test is worth 20% of your grade.

Homework / in-class problems/class participation=20%

Note: Physics lab (Phy241) is a separate course.

Your work on tests will be graded for correctness and clarity. **Failure to supply details leading to a result will result in very little credit for a problem.** If you want full credit for a problem, **you must** supply the logical steps that led to the result and the result **must include proper units.** Diagrams should be included where appropriate to define quantities used in your result. Homework and worksheets will be graded for completion.

Course Description

In this course you will be exposed to fundamentals of physics. Among the topics that we will cover are Newton's Laws and motion, forces, sound, waves and thermodynamics.

Course Objectives

As a consequence of this course, you should obtain an enhanced understanding of the fundamentals of physics and be able to solve physical systems using mathematical techniques. For a non-exhaustive list of assessable learning outcomes, refer to the class website.

Course Prerequisites

You are **expected** to be proficient with algebra and trigonometry . In addition, Physics 240 students should have or be doing course work in calculus. It is

strongly

recommended that your life will be made easier if you review trigonometry.

Text

The textbook in this course is:

Physics 240:

Principles of Physics: A Calculus-Based Text, 3rd Edition
By Raymond A. Serway and John W. Jewett, Jr.

The schedule is designed around this particular edition. You may use earlier editions but you will need to be sure to read the correct portions of the text. The text is considered to be a very important resource **so students are expected to be reading along** in the text as the course progresses.

You have many resources on the campus: the library, your colleagues and your professor. Your prime learning resource, however, must be considered to be the classroom so class attendance is expected. **Excessive absences will negatively impact your final grade.** In particular, attendance will be taken during each class period and zero will be recorded for class participation due to unexcused absences. Habitual tardiness is considered to be an unexcused absence.

Attendance

The [Lyon College Student handbook](#) states:

1. Students may be administratively dismissed from a class when they have failed to attend that class for the equivalent of three (3) weeks without being excused.
 - a. Students will be warned by the Dean of the Faculty that they are in jeopardy of dismissal from a class after the equivalent of one and two weeks of absences.
 - b. The student must return to the class (or make satisfactory arrangements with his/her faculty member) or the dismissal will take place after the equivalent of a third week of absence.

Academic Honesty

It is expected and encouraged that students in this class will work together on homework problems. If you use reference work, be sure to include proper references. On tests, students are required to keep notes and books closed except as instructed. **Your professor will supply all the paper needed for the tests.** Any questions during tests should be directed to the professor only.

All graded work in this class is to be pledged in accordance with the [Lyon College Honor Code](#).

Students seeking reasonable accommodations based on documented learning disabilities must contact the Office of Academic Services at 698-4332.