PHYSICS 4C
Spring 2019

Instructor: Stephanie Dickson
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Office hours: Tuesday from 4:30 to 5:20 p.m. in S32 and Thursday 1:30 to 2:30 S11
Final exam date: Tuesday, June 25th, 2019 from 6:15 - 8:15 p. m.
Text: Serway and Jewett *Physics for Scientists and Engineers*, 9th edition
Prerequisites: Successful completion of Math 1C Physics 4B and concurrent enrollment in Math 1D.

The goal of this course is to understand fluids, thermodynamics, waves, sound and optics.

If you miss more than five lectures you may find yourself dropped from the class.
No food or beverage is allowed in the classroom except water.

There will be at least one quiz every class meeting, excluding exam days. The quizzes are based either on the assigned homework or on class discussion.
No make ups are given for quizzes, but the lowest quiz score will be dropped. Your attendance is recorded along with your quiz score.
If you come in late and miss the quiz, please turn in a paper with your name on it so that you are not dropped for non-attendance.

There will be two midterm exams, each weighted equally. No make-up exams will be given without *PRIOR* consent from the instructor. You may make up only one exam and that only for a serious and compelling reason. A conflict with another class's exam schedule is not sufficient. You have three days only to make up your exam.

Photo ID is required by all students at every exam.

No questions are allowed on the day of an exam regarding exam material. This does not apply to quizzes, just exams and the final. Any other type of questions on exam day are, of course, fine.

If you have a dispute with the grading on a quiz or exam, you may attach a cover sheet to your graded work explaining what was graded incorrectly. Your cover letter and original assignment will be reviewed and regraded (or not) in a timely manner. You may have as many appeals as you wish during the quarter, but only once per assignment. Of course, any alteration of the original graded material is not allowed and would constitute cheating.

To pass the class you *must* take the final exam (in both lab and lecture) and both midterms.

An "incomplete" will only be assigned as a final course grade when a *serious* illness or some other severe problem is encountered by the student.

It is the responsibility of the student, not the instructor, to ensure being dropped or withdrawn from the course. The drop deadline is SUNDAY, APRIL 22nd. The last day to withdraw from the course is FRIDAY, JUNE 1st. Students whose names still appear on the final class roster will receive letter grades.

Home work solutions will be discussed in office hours and lecture.   Some solutions will be posted on the available AFTER the due date.

You will be graded on the *union* of the information provided in the lecture and from the assigned text readings. The grades will be given on the following percentages:

A: 92-100%
A-: 90-91%
B+: 88-89%
B: 82-87%
B-: 80-81%
C+:78-79%
C: 60-77%
D: 50-59%
F: Below 50%

The grade distribution is as follows:
Lab 10%
Homework/Quizzes 10%
Exams (2 exams) 40%
Final (comprehensive) 40%

Lab Attendance: Lab attendance is mandatory If you miss more than one un-excused lab, you may be liable for an instructor initiated drop from the entire course. You are dismissed from the lab for the day when you have the instructor's permission to leave. You may leave for a short time and then return, leaving the lab early without explicit permission from the instructor will constitute an absence.

Student Learning Outcome(s):

*Critically examine new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of waves, fluids, optics, and thermodynamics.
*Gain confidence in taking precise and accurate scientific measurements, with their uncertainties, and then with calculations from them, analyze their meaning as relative, in an experimental context, to the verification and support of physics theories.