

## PHYSICS 4B

Fall 2008

Instructor: Stephanie Dickson

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Office hours: Tuesday 5:00 - 5:50 p. m.

Final exam date: Tuesday, March 24th, 6:15 - 8:15 p. m.

Text: University Physics, 12th edition, by Young and Freedman

Prerequisites: Successful completion of Math 1B, Physics 4A and concurrent enrollment in Math 1C.

The goal of this course is to understand the four Maxwell equations of classical electro-dynamics in integral form and the Lorentz force equation and solve problems using them.

If you miss more than five lectures you may find yourself dropped from the class.

There will be at least one quiz every class meeting, excluding midterm and final 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 will be given a three day grace period in which you may 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.

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

A grade of zero points will be assigned to any work done if a student has been found cheating.

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It is the responsibility of the student, not the instructor, to ensure being dropped or withdrawn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.

To receive your final grade you may send an e-mail request or give me a self-addressed stamped envelope at the end of the quarter. No grades will be posted.

Home work solutions will be discussed in office hours and lecture. Some solutions will be posted on the web site 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: Lower than 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.