Tentative Syllabus for Physics 382: Spring 2012
Topic: Electricity and Magnetism
Professor: Dr. Stuart Hutton
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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. 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

The final course grade may reflect subjective course aspects such as attendance and positive class participation.

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.**

Tests (3 tests)=90%
Each test is worth 30% of your grade
Homework / in-class problems/class participation=10%

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.

Notice that the schedule specifies due dates and times for the three tests. You are expected to provide me with your tests by the time specified. **Late tests will automatically have a significant amount (at least 10%) deducted from the total score ... hand in your tests on time.**

Course Description

This course treats non-quantum Electricity and Magnetism. It introduces foundations, principles and basic approaches of classical Electricity and Magnetism to enable a deeper understanding of nature. Refer to Primary Learning Outcomes for a more complete presentation of topics.

.Course Objectives

As a consequence of this course, you will be able to apply the postulates of Electricity and Magnetism to important problems. In addition, you should come away from this course with an ability to solve fundamental and advanced problems involving Electricity and Magnetism.

Course Prerequisites

You are expected to be proficient with algebra, trigonometry, calculus and elementary differential operations. Prerequisite: MTH 220, and either PHY 220 or PHY 250 or permission of instructor.

Text

The textbook in this course is:

Introduction to Electrodynamics

Third Edition

By David J. Griffiths

ISBN:0-13-805326-x

You have many resources on the campus: the library, your colleagues and your instructor. 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**. The text must be considered to be a very important resource so students are expected to be reading along in the text as the course progresses.

Attendance

The Lyon College Catalogue for 2011-2012 states:

Students are expected to attend all class periods for the courses in which they are enrolled. They are responsible for conferring with individual professors regarding any missed assignments. Faculty members are to notify the Registrar when a student misses the equivalent of one, two, three, and four weeks of class periods in a single course. Under this policy, there is no distinction between "excused" and "unexcused" absences. A reminder of the college's attendance policy will be issued to the student at one week, a second reminder at two weeks, a warning at three weeks, and notification of administrative withdrawal and the assigning of an "F" grade at four weeks. Students who are administratively withdrawn from more than one course will be placed on probation or suspended (see Academic Probation and Academic Suspension).

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. **CELL PHONES AND OTHER WIRELESS OR NETWORKED DEVICES (INCLUDING COMPUTERS) MAY NOT BE USED DURING TESTS**, If you do use such devices during a test, it will automatically be considered to be a violation of the Lyon College Honor Code.

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 307-7332."