

Ph 1c Analytic (Spring 2009) General Information

Lecturer

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Course Secretary

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Web Page

News and latest information on assignments, quizzes, exams, review sessions, instructors, etc. is available at: <http://www.its.caltech.edu/~jonas/1C.html>

Section Changes

You are encouraged to find a recitation section that is both enjoyable and beneficial. If you decide to change sections, first get the signature of the instructor of the new section on your yellow card. Then get the course secretary to sign the drop column of the yellow card. Room assignments are sometimes changed by the instructors: the course secretary and the Ph 1c web page should have the most up-to-date information.

Textbooks

The required textbook for this course is **Electricity and Magnetism**, Berkeley Physics Course Vol. 2, by Edward M. Purcell (second edition).

You may also wish to refer to the supplemental reading. These include H. M. Schey's **div, grad, curl and all that** and **Special Relativity** by A. P. French. For other perspectives on electricity and magnetism, you may wish to read Feynman Volume II or Halliday and Resnick. These books are on reserve in the library.

Homework Assignments

Homeworks will generally be due on Wednesday by 4PM outside the lecture hall, 201 E. Bridge, sorted by section. Homework will be accepted starting from the afternoon before it is due until 4PM on the due date. Each HW should be labeled with the student's name and section number. For prompt and accurate grading, please follow the guidelines for writing your homeworks and quizzes. Graded HW will be returned on the following Thursday in

Recitation. Late HW will be accepted up to one week late for half-credit, and should be turned in to the box labeled LATE HOMEWORK. If there are extenuating circumstances (e.g. illness), you may request an extension from your TA. If granted, please ask your TA to write a note on your HW before turning it in. Solutions to the HW may be picked up at the section mailboxes in E. Bridge or in Recitation.

The HW you hand in must be your own and not copied from others or from the blackboard in Recitation. You are encouraged to work on the problems with others and to seek additional help if you find that useful, but the write-up must be your own. Also, you may not consult any prepared solutions for the problems, whether they are this year's or from previous years, or from Caltech or external sources. As a guideline for the collaboration policy, you should be able to reproduce any solution you hand in without help from anyone else. It is possible to achieve high scores on the HW but still fail the quizzes and the final exam. This indicates poor adherence to the collaboration policy: the object of the HW problems and the collaboration policy is to help you learn the material.

Only a fraction of the problems in your textbook will be assigned; you are certainly welcome to work through extra problems to gain more practice. Your TA can assist you in selecting problems.

Quizzes

Quizzes will be due on four Mondays throughout the term: April 20, May 4, May 18, and June 1. The completed problems should be STAPLED TOGETHER and turned in at the locked box outside 201 E. Bridge. This means you need to have a STAPLER, or a good supply of BLUE BOOKS. The quiz should be labeled with the student's name, UID number, and section number. The quizzes will generally cover the material from the previous two weeks. The quizzes will be distributed on the preceding Wednesday at lecture. The quizzes must be worked independently without collaboration.

Exams

There will be a final exam covering the entire term. There will be no midterm exam.

Grading

Your grade for the course will be determined by your performance on the final exam (40%), quizzes (40%), and homework (20%). A combined grade of 50% is required to pass the course. Your attendance and performance in Recitation and your general level of effort may be used as a basis for extra credit according to the judgement of your instructor.

Ombuds. Meeting

We would like have one ombudsperson from each House. Please feel free volunteer yourself. Those chosen should notify the course secretary of their identities.