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CHAMINADE UNIVERSITY OF HONOLULU

PHYSICS 252 UNIVERSITY PHYSICS - SYLLABUS

Fall Semester, 1999

Instructor: Dr. David Cooke

1. OBJECTIVE OF COURSE:

This course is the second component of a general, calculus-based introduction to physics, dealing with electricity and magnetism. Satisfactorily completion of the course sequence will mean that you have had a good preparation for physics at the level required for majoring in physics and engineering, as well for certain other areas of science and technology.

2. TEXT: Serway "Physics for Scientists and Engineers", 4th ed.

You are expected to take the responsibility for reading the text yourselves. Each chapter should be read quickly just prior to the class presentation of the material - in order that you acquaint yourself with the main ideas that are in each chapter, and to get a good idea of the words and principles that are to be discussed in class. This first reading could consist of a ten minute skim. Then, as the material is currently being discussed, read through each section more carefully, making sure that you understand the detail of the work, and follow through the discussions and examples presented by the author.

3. CONTENT OF COURSE:

The material covered in the course is drawn from chapters 23 through 34, approximately. It is intended that one chapter per lecture will be studied, although there is some leeway for extra time on difficult work, as well as extra review sessions.

4. HOMEWORK:

Homework assignments are given for each chapter. These assignments are not graded, but looked over briefly to ascertain whether you are making a serious attempt at the problems, in which case full points are recorded. You will then be given copies of worked solutions to the assigned problems to allow you to check on the correct solution techniques and answers to the problems.

5. QUIZZES & EXAMS:

A quiz is given on completion of each chapter's material (there will be approximately one quiz per week). Two preliminary exams will be held - one during the weeks of October 4th through 8th, and the other during the week of November 8th through 12th. The final exam will be held at 10:30 a.m. on Wednesday, December 15th.

6. EVALUATION:	Attendance:	5%
Grades are based on homework,	Homework:	5%
quizzes, exams, etc, to the extent	Quizzes:	30%
presented here:	Prelim. Exams	30%
	Final Exam	30%
	TOTAL	100%

It is important to understand the grade definitions which guide the awarding of grades at the end of the semester. Grading criteria as stated in the Chaminade undergraduate catalog are as follows:

- A -- Outstanding scholarship and an unusual degree of intellectual initiative.
- B -- Superior work done in a consistent and intellectual manner.
- C -- Average grade indicating a competent grasp of the subject matter.
- D -- Inferior work of the lowest passing grade, is not satisfactory for fulfillment of prerequisite coursework.
- F -- Failed to grasp even the minimum subject matter; no credit given.
- I -- Did not complete a small portion of the work or final examination due to circumstances beyond the student's control. The issuance of an "I" grade is not automatic. Prior to reporting of grades a contract must be made between the student and the instructor for the completion of the course.