

Instructor:

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PHYB10H3F is a laboratory course. It consists of experiments intended to prepare students for work in an Intermediate Physics or Electronics lab. The major requirements are formal reports. Their due dates are given in the Timetable below.

a) You are required to complete three experiments—the first of the following experiments and then one from each of the two groups of experiments following. You must complete a formal report for each experiment you do. Attendance is taken to form a lab participation mark.

b) A penalty of 20% of the mark awarded per working day (to a maximum of 100%) will be assessed against any report handed in after the deadline. You must submit your report in person to the instructor by 5:00 p.m. on the due date.

c)

09 10 11	15, 16 22, 20 29, 30	report due 5 pm) November November November November, due 5 pm Dec. 4)	8 9 10 11	8 9 10 Quiz 2	AC Circuits III: Transient Signals Diodes and Rectifiers Aspects of Signal Analysis Amplification Quiz 2

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3 formal reports 75% 2 quizzes 15% Lab participation (attendance) 10%

- a) When you sign in, the lab Instructor will ascertain that you are prepared.
- b) During the lab period the Instructor may quiz you about background, progress and understanding.
- c) Your lab notebook may be examined when you sign out (or before the Instructor leaves). The following week's experiment will also be arranged with the Instructor.
- d) There will be two quizzes on the dates given in the timetable, which will contribute 15% to the final course grade.
- e) The Instructor will grade the lab reports and will maintain a record of the grades awarded
- f) PHYA21 is a prerequisite for PHYB10. If you have not passed PHYA21 your registration in PHYB10 will be cancelled.

The instruction manuals for the experiments are posted on the web page. In order that you use your time effectively, you are expected to plan experiments in detail, and to consult with the lab instructor before the laboratory period. Because only a limited amount of equipment is available, experiments should be scheduled at least one week in advance. You are expected to be present and working in the laboratory for all three-hour lab periods during the term.

You must record all your measurements and observations, and a narrative of what you do in the lab, in a hard bound laboratory notebook. All readings, even preliminary ones, should go into it. If some

Grades wil