

# **PHYSICS 202 LABORATORY – FALL 2008**

## **HOWDY-**

Welcome to Heldenfels Hall, where all Physics 202 Lab sessions will meet. Your main contact in Heldenfels is the Physics Lab Center (PLC) in room 207. If you cannot locate your assigned lab room (or recitation room), the staff in the Physics Lab Center will gladly assist you. They will also help in contacting your lab instructor if he/she does not show up for your session. The recitation and lab room assignments are posted in the glass case outside room 207.

A lab schedule for the laboratory sessions is attached below. This lab schedule lists the order of experiments, the meeting times and locations of the recitation and the laboratory rooms. Note that the lab session is 3 hours. All sections will meet in room 120 for the first hour (recitation), and then go to room 216 for the next two hours (laboratory or exam review). On the schedule, (120/216) refers to the recitation room 120 and the lab room 216.

Recitations will meet on the first floor of Heldenfels and lab sessions will be on the second floor.

## **BEFORE ATTENDING THE FIRST LAB SESSION-**

You will need to buy the required lab manual [ Laboratory (E&M) Experiments for Physics 202 Eleventh Ed. - published by Hayden-McNeil] and take it to lab on your first lab meeting. This lab manual is available in most local bookstores. A thumbnail image of the cover of the lab manual is shown on the home page of this site. This edition will have a beige color stripe on the bottom of the front page (not black as shown on this thumbnail image).

Read the scheduled experiment write-up in the lab manual before the lab meeting. It will be easier to do the lab if you are already familiar with the instructions in the lab manual.

## **AT THE FIRST LAB MEETING-**

Meet your TA.

He/she will discuss all the rules and regulations of the lab course during the first lab meeting.

Also:

You will fill out the safety contract for the lab course. Read it carefully. It refers to the safety rules such as **NO FOOD OR DRINKS ALLOWED IN THE LAB ROOM** and the penalties for breaking the rules. (This means do not bring drinks/food into the room.)

The TA will discuss the pre-lab quiz.

The class roster will be checked. (You may not attend lab if you are not registered for the course. If you are not listed on the roster, contact the Phys office to verify enrollment.)

The TA will give instructions on how the lab reports are to be written, graded, turned in and returned.

The TA will discuss the rules concerning make-up lab for excused absence, but note that only one lab is allowed to be made up.

## PHYSICS 202 LABORATORY SCHEDULE

**FALL 2008**

WEEK OF	RECITATION/EXPERIMENT
Aug 25 – 29	No recitation (TBA) – No lab (first week of class)
Sept 01 – 05	Recitation – 2. The Oscilloscope and Function Generator
Sept 08 – 12	Recitation – <i>Exam review + office hour</i>
Sept 15 – 19	Recitation – 3. Electrical Circuits - Currents
Sept 22 – 26	Recitation – 4. Electrical Circuits - Potential Differences
Sept 29 – Oct 03	Recitation – 6. DC Power Supply
Oct 06 – 10	Recitation – <i>Exam review + office hour</i>
Oct 13 – 17	Recitation – 7. Induced Electromotive Forces
Oct 20 – 24	Recitation – 8. The Reflection & Refraction of Light
Oct 27 – 31	Recitation – <i>Exam review + office hour</i>
Nov 03 – 07	Recitation – 9. The Focal Length of Lenses
Nov 10 – 14	Recitation – Make-up lab (#10), for <u>one</u> missed exp only
Nov 17 – 21	Recitation – <i>office hours only, no lab</i>
Nov 24 – 28	Holiday-Thanksgiving (Recitations TBA)
Dec 01	<i>No recitation, no lab</i> – Redefined day, Friday classes
Dec 02	<i>No recitation, no lab</i> – Redefined day, Thursday classes

TIME	Wed
8:00-10:50 am	505 (120/216)
10:20-1:10 pm	506 (120/216)
12:40-3:30 pm	507 (120/216)
3:00-5:50 pm	508 (120/216)

TIME	Tues	Thurs
8:00-10:50 am		509 (120/216)
11:10-2:00 pm	501 (120/216)	510 (120/216)
2:20-5:10 pm	502 (120/216)	511 (120/216)
4:55-7:45 pm	503 (120/216)	512 (120/216)
6:55-9:45 pm	504 (120/216)	