

PHYSICS 208 LABORATORY – FALL 2008

HOWDY-

Welcome to Heldenfels Hall, where all Physics 208 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 119 for the first hour (recitation), and then go to room 208 or 209 for the next two hours (laboratory or exam review). On the schedule, (119/208) refers to the recitation room 119 and the lab room 208.

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 208 Ninth 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 208 LABORATORY SCHEDULE

FALL 2008

WEEK OF	RECITATION/EXPERIMENT
Aug 25-29	No labs (first week of classes)
Sept 01-05	1. Electric Fluid (<u>Demo Lab</u>)
Sept 08-12	2. Static Electricity Lab
Sept 15-19	3. Capacitance Lab
Sept 22-26	5. The Oscilloscope
Sept 29- Oct 03	7. RC & RL Transient Response (<u>Demo Lab</u>)
Oct 06-10	6. Deflection of Electrons (<u>Demo Lab</u>)
Oct 13-17	8. Magnetic Fields Lab
Oct 20-24	No labs - Recitations will meet
Oct 27-31	9. Faraday's Law Lab
Nov 03-07	12. Optics Lab
Nov 10-14	11. Wave Properties of Light (<u>Demo Lab</u>)
Nov 17-21	Make up Lab (#11), for <u>one</u> missed lab only.
Nov 24-28	No labs - Recitations will meet on Monday-Wednesday

TIME	Mon	Wed
8:00-10:50	521 (119/208)	506 (119/208)
9:10-12:00	522 (119/209)	507 (119/209)
10:20-1:10	523 (119/208)	508 (119/208)
11:30-2:20	524 (119/209)	509 (119/209)
12:40-3:30	525 (119/208)	510 (119/208)
1:50-4:40		511 (119/209)
3:00-5:50		512 (119/208)
4:10-7:00		513 (119/209)
5:10-8:00		514 (119/208)
6:10-9:00		515 (119/209)

TIME	Tues	Thurs
8:00-10:50		516 (119/208)
9:35-12:25		517 (119/209)
11:10-2:00		518 (119/208)
12:45-3:35		519 (119/209)
2:20-5:10	501 (119/208)	520 (119/208)
3:55-6:45	502 (119/209)	
4:55-7:45	503 (119/208)	
5:55-8:45	504 (119/209)	
6:55-9:45	505 (119/208)	