

# Physics 2010 Laboratory/Recitation

## Spring 2006

### General Information for Students

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## Lab Goals

- To develop skills in laboratory measurement, estimation, argument, justification and reasoning
- To support the concepts developed in the lectures and homeworks
- To explore creatively the fundamental principles of physics and their consequences
- To have fun – yes! – fun.

## Lab Expectations

- Download and print a copy of each week's lab or recitation assignment.
- Complete your pre-lab homework and turn it in upon entering the lab.
- Show up on time. Twenty minutes late is considered a missed class.
- Bring pencils, pens, a scientific calculator, and at least several sheets of paper. Don't use sloppy scratch paper, even for jotting down numbers! When taking data you should organize things so that you can refer to them later. You are encouraged to use a bound logbook, although these will not be turned in.
- Work collaboratively in the lab, in groups of 2-3 defined by the lab instructor.
- Finish during the allotted time of one hour and fifty minutes. Late-arriving students will not be given extra time.
- Everyone is to turn in a separate, *original* lab write-up.
- Be creative and thorough, and have fun.

## Lab Grading

Your overall lab grade will count for 12% of your course grade. For each of the labs you will receive from 0 to 10 points.

- You will receive a zero if you miss a lab or do not turn in your write-up (and do not make it up).
- A penalty of 2 points will be assessed if the prelab is not turned in before the lab.<sup>1</sup>
- Your participation/effort in lab may affect your grade for better or worse.

**If you receive two or more scores of zero, you will receive a failing grade for the course!**

**Makeups:** It is incumbent upon the student missing the lab to make it up, or you will receive a zero.

- **Makeups the same week:** If you must miss a section, arrange to visit another section the same week, and notify your substitute TA. He or she will sign your report, after which it is your responsibility to deliver it to your original TA before the end of the week. *You may do this only twice during the semester.*
- **Makeups after the lab week:** If you can't make up a lab that week, or if you need to make up a 3rd lab, notify your TA and make arrangements for a makeup lab. Out-of-week makeup labs will be available *only* during certain time periods. Make ups for lab 1-4 will occur during March 21-24. The dates for make ups for labs 5 and 6 will be announced later.

You must have a legitimate, documented excuse (illness, family emergency, or University-sponsored travel) to make up a lab out-of-week.

- *There are no other opportunities to make up a lab.*

## Recitations and written homework

- Written homeworks are due at 5pm on Thursdays. They will be handed back and the questions discussed during the next week's recitation.
- Recitations meet on non-lab weeks during the same time slot as labs. Every week there is either a recitation or a lab.
- After the discussion of the written homework, you will work in groups on further problems during the recitation session.
- There will be plenty of time in recitations for discussion and question-answer sessions. The recitation is *your* time to initiate discussions or explanations of topics or problems.

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<sup>1</sup>Note that if you turn in a low-quality report without a prelab, you may still get a zero due to the prelab penalty!

- Written homework will be graded on a 0–3 point scale.
- Recitations are graded on a 0–1 scale. You are given credit for attending and making a genuine effort in the recitation, as judged by the TA.
- Recitation participation counts 3% toward the course grade; written homework and CAPA will combine to 20% of your final grade.