Recitation and Laboratory Syllabus
Physics 221, Section 014, Fall 2006

Instructor: Matthew Musgrave
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Office Hours: Thursday 2:20-3:30, Nielsen 203, or by appointment in Nielsen 609-5.

Recitation: Nielsen 608 from 8:00-8:50 on Wednesday.
Lab: Nielsen 508 from 9:05-11:00 on Wednesday.
Lab Manual: Selected Introductory Physics Experiments by James E. Parks
Lab Schedule: http://www.phys.utk.edu/labs/ph221syl.pdf

Grading: Remember the grade for this lab counts for 20% of your grade for Phys 221. Your lab grade is determined as follows: Lab Reports - 60%, Quizzes - 30%, and Participation - 10%.

Recitation: There will be a short 10 point quiz at the beginning of every class on the material being covering in Dr. Levin’s lectures. Bring a calculator for the quizzes. Quizzes cannot be made up. The rest of the time in recitation will be spent with your active participation in a discussion of the theoretical part of the course. Bring your textbook to the recitation.

Laboratory: Read the experiment before you come to the lab. It will make the labs quicker and easier. You will work in pairs on the labs, but you will write lab reports individually on each experiment. Lab reports are due at the beginning of the following week’s lab with any other relevant lab work including the questions at the end of each experiment. After the due date, lab reports and other relevant work will be accepted at anytime during the semester for half credit. Only one lab can be made up during the semester. Other labs that are missed will receive zero credit. If you are unable to attend a lab, inform me as soon as possible, preferably before the lab, and we will make arrangements for you to make up the lab.

Lab Reports: Lab reports should be single spaced, Times New Roman 12 point font, and at least 2 pages long. Write lab reports in the narrative form (no I’s, we’s, he’s, or she’s). Use Equation Editor or neatly write out any equations you need to put in the lab reports. Below is a guideline for the lab reports.

- **Heading:** Include the title of the lab, your name, your partner’s name, and the date the lab was performed.
- **Objective:** What is the purpose of the lab? What are you trying to understand by completing it?
- **Theory:** Explain the concepts in the lab. This is where you present the equations you used.
- **Procedure:** A brief summary of the experiment.
- **Results:** Present your raw experimental data and the results and calculations you obtained.
- **Conclusion:** This is the most important part. What did you learn from the lab? Discuss the significance of your results and sources of error.