Physics 221 Recitation and Lab  
Section 221001, Fall 2006  
Recitation: Nielson 608, 4:40 – 5:30 Wednesday  
Lab: Nielson 508, 5:45 – 7:35  

Instructor: Kyle Schmitt  
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Phone: (724)372-1295  
Office Hours  
Nielson 609: Tuesday 9:30-11:00, 2:00-4:30, After Lab  
            Wednesday 9:00-1:00, After Lab  
            Thursday 9:00-11:00  
Nielson 203: Thursday 2:20 – 3:30  

Texts: Selected Introductory Physics Experiments, James E. Parks  
       College Physics, Serway/Faughn  

Course Philosophy: Physics is a subject you learn by doing. The best way to prepare  
for tests is to do problems and work with the physical concepts practically. This  
is your chance to do just that! You will also be exposed to some of the tools and  
tricks of the trade. My expectations of you are effort and general courtesy. Show  
up on time and be prepared.  

Recitation: The purpose of recitation is to help you. Just like anything else in  
education, you’ll get from it as much as you put into it. Bring questions and  
problems. I recommend you bring your text book and a calculator. We’ll go  
through extra examples and review what you’ve learned in lecture. There will be  
a quiz each week. Please make sure you mute your cell phones etc.  

Lab: We will be performing labs according to the schedule at  
http://www.phys.utk.edu/labs/ph221syl.pdf. Each student is responsible for their  
own lab report adhering to the guidelines that follow, and each must be uniquely  
their own. Lab reports are an important part of “doing” science. They should be  
coherent, neat, concise, and typed. I recommend you work with your partner and  
do the lab report as soon after the lab as possible. You’ll be surprised what you  
forget in a week. Lab reports are due at the beginning of the following lab, and  
late reports will not be accepted.  

Grading Policy: Lab reports are worth 60%, quizzes are worth 30%, and participation  
points fill the final 10%. Your lab grade is the sum of these portions. Come see  
me if you have questions about your grades. Scores for returned graded work will  
be final after one week.  

Housekeeping: Please make sure you mute your cell phones etc. No food or drink is  
allowed in the lab. Please make sure you leave the lab in better condition than  
you found it (turn off equipment etc). You may only make up one lab and quiz,  
and only if you let me know you will be absent ahead of time and provide a  
legitimate excuse by my estimation. All labs and quizzes not made up will result
in a zero for that lab or quiz. If you have any questions, concerns, or problems, feel free to contact me.

Students who have a disability that requires accommodation(s) should make an appointment with the Office of Disability Services (947-6087) to discuss their specific needs.

The University Honor Statement will be strictly adhered to: 

**Lab Reports**

Lab reports should be written in narrative form (no I’s, we’s, he’s, she’s, etc) and have the following elements in some coherent arrangement:

1. **Cover Page:** Include lab title, lab section and time, date, and your name followed by the names of your partners.
2. **Purpose/Theory:** Explain the purpose of the lab. What did you set out to do? Present the physical concepts demonstrated in the lab. Include relevant equations etc. I recommend you use Equation Editor. You may neatly write in equations by hand if necessary. Reference your sources (usually just Parks).
3. **Procedure:** Describe what you did in your own words. Please don’t copy the lab book verbatim.
4. **Data:** Include data tables and graphs, in the text with your report. Label everything. Don’t assume that the reader knows what you’re doing.
5. **Results/Conclusions:** Show your formulas and calculations, step by step. Repetitious calculations only need to be shown once, with just the results presented for the subsequent calculations. Explain what your results show and/or what you learned. What is the significance of your graphs, tables, error, etc?
6. **Questions:** Answer the questions from the lab manual.

Make sure your pages are numbered (not including the title page). I recommend single spacing and normal, 12 point font. Also be sure to staple your lab reports. Don’t count on there being a stapler in the lab. If you have any questions, please ask.

All policies are subject to exceptions and changes at my discretion.