Physics 221 Recitation and Laboratory Syllabus

Section 018:  Wednesday
Recitation:  12:20pm – 1:10pm  Nielsen Room 608
Laboratory:  1:25pm – 3:20pm  Nielsen Room 508

Section 008:  Thursday
Recitation:  8:00am – 8:50am  Nielsen Room 608
Laboratory:  9:05am – 11:00am  Nielsen Room 508

Instructor
Tom Papatheodore
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Office Hours: Tuesday 11:15am – 12:15pm or by appointment
Nielsen Room 201 (Physics Tutoring Center)

Course Description
The laboratory section of PHY 221 is meant to reinforce the main lecture by allowing you to experimentally verify some of the many theories you will learn about in the classroom. This hands-on approach to learning will strengthen your intuitive sense of physics concepts while exposing you to a wide range of experimental techniques and equipment.

Course Materials
Selected Introductory Physics Experiments by Dr. James Parks. This lab manual is mandatory! You will need to bring this manual along with a scientific/graphing calculator to every session of laboratory.

Recitation
An hour-long recitation period will be held before every laboratory session. This is a mandatory part of this course and you are expected to come to every period. There will be a quiz at the beginning of each recitation involving questions about new lab material as well as concepts learned in lecture, so make sure to read the new lab material before coming to lab. There are no makeup quizzes! For the remainder of the period we will work through current lecture material.

Laboratory
Please read about the experiment before you come to the lab session! You will be performing the experiments with a lab partner for most assignments. Make sure that both partners get copies of any data sheets as they will be used in your lab reports. Also, make sure to share the responsibilities so that both partners contribute equally in the experiments.

Lab Reports
You will hand in your lab report from the previous week’s experiment when you arrive for each recitation session. Every student must write their OWN lab report! There are no makeup labs!

Computer Use
The data collected for each experiment will often be recorded and analyzed using a computer program such as Microsoft Excel. There are computer terminals set up in the laboratory for this purpose.

Attendance
Attendance is mandatory! I expect you to show up on time for every recitation and lab session. Do not be late. If you miss a lab or quiz you may not make it up.
Grading Procedure

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<tbody>
<tr>
<td>Lab Reports</td>
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<td>Quizzes</td>
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There are NO makeup labs or quizzes; however, you may drop one lab report and quiz. If you cannot attend a lab due to extenuating circumstances (i.e. serious injury, illness, or a death in the family) please contact me as soon as possible.

Classroom Policies
Please have respect for other students, myself, and yourself. Do not come to class late. Do not talk when I am talking. Please make sure to turn off your cell phones and other electronic devices during recitation and lab periods.

Academic Honesty
All students are expected to abide by the University Honor Statement. Cheating of any kind will not be tolerated in this course. You are expected to turn in your own work on quizzes and lab reports. If you are caught cheating you will receive a zero for the assignment on which it occurred. If you are caught a second time you will receive a zero for the entire laboratory portion of PHY 221 and will be reported to the Office of Student Judicial Affairs.

Course Outline
The schedule of experiments can be found on the UT Physics website under Labs and Demos: www.phys.utk.edu/physlabs.html

If this schedule changes, I will notify you by e-mail.

Students with Disabilities
If you need accommodations due to a documented disability, please contact the Office of Disability Services at 2227 Dunford Hall (telephone/TTY 865-974-6087; e-mail ods@utk.edu) to ensure that you are properly registered for services.