Syllabus for Physics 221 Recitation and Laboratory - Fall 2006

INSTRUCTOR        Maria Gabriela Oliveros
OFFICE HOURS      Tuesday @ 1:15pm to 2:25pm
                  Tutorial Center (Nielsen 203)
                  By Appointment: SERF 603
E-MAIL            molivero@utk.edu
TEXT BOOK         Selected Introductory Physics Experiments by Dr. James E. Parks
RECITATION        2:30pm – 3:20pm
LABORATORY        3:35pm – 5:30pm

GENERAL INSTRUCTIONS

1. Purpose of the Lab: it is to provide you with some direct experience with the concepts that you will learn in the lecture portions of the course. In addition, you will be exposed to the techniques that are used to obtain and analyze the experimental data, which are used to construct or test physical theories.

2. Recitation Assignment: there will be a 15min quiz at the beginning of every session, and you are expected to be prepared for these quizzes. THE QUizzes CANNOT BE MADE UP! After the quiz, we will review some specific problems or topics.

3. Laboratory Assignment: you are expected to read the experiment before coming to the lab session. Generally, you will work in pairs performing experiments; however, both partners will collaborate in filling out the data sheet. At the end of the lab, the data sheets can be printed out and attached to the reports that must be written INDIVIDUALLY. Reports are due at the beginning of the following lab. The Schedule of experiments are online at http://www.phys.utk.edu/labs/ph221syl.pdf
4. Lab Reports:
   - Heading: Title, Name (yours first and partner second), Date experiment completed
   - Introduction: a clear statement of the scientific objective (short)
   - Theory: Background of the topic and the Equations used with all the variables and units.
   - Procedure: Summary of the manual (short).
   - Experiment Results: present all raw data (series of measurement taken in the lab).
   - Results: present the results of all calculations (Tables and Graph).
   - Conclusion: MOST IMPORTANT PART. What did you LEARN in this lab? Argue the significance of your results and Sources of Error.

5. Attendance: an excused lab can usually be made up sometime during the same week, but an unexcused lab counts zero unless it is made up for at the end of the semester. No more that one lab may be made up. Please notify me in advance. DON’T BE LATE for the recitation or lab.

6. Grading: Quizzes in the recitation will count 20% and lab reports for 80% of your grade.

7. Policies:
   - Students with disabilities: should contact me as soon as possible in order to make necessary accommodations.
   - Cell phones and pagers: must be TURNED OFF during the class period (if not, I will make you sing something in the middle of the recitation or lab)
   - Cheating in a quiz will be zero (no matter what)
   - Copying or sharing lab reports the first time the grade will be share with the number of students that “share the report” and the second time (if they are the same students) it will be a zero automatically.

***GOOD LUCK***