

SPRING 2008

Physics 1404: General Physics II Laboratory
Course Coordinator: Dr. Quade

Section: _____
Section Instructor: _____

<u>Date</u>	<u>Experiment</u>
Jan. 15,16,17	Electrostatic Fields and Potentials
Jan. 21,23,24	No Labs
Jan. 29,30,31	Ohm's Law/Combination of Resistors
Feb. 5,6,7	Slidewire Wheatstone Bridge/Resistivity
Feb. 12,13,14	The Dipole Bar Magnet/Electrons in a Magnetic Field
Feb. 19,20,21	Current Balance
*Feb. 26,27,28	Use of a Digital Oscilloscope
*Mar. 4,5,6	Magnetic Fields from Currents
Mar. 11,12,13	Electromagnetic Induction/Faraday's Law
Mar. 18,19,20	No Labs/Spring Break
Mar. 25,26,27	Refraction of Light
Apr. 1,2,3	Focal Length of Lenses
Apr. 8,9,10	Diffraction and Interference
Apr. 15,16,17	The Diffraction Grating
Apr. 22,23,24	The Rydberg Constant

Each student is expected to:

1. Prepare beforehand by studying the Lab Manual. It is advised to purchase a new manual as they are updated and revised yearly.
2. Exercise care with the equipment. You are accountable for damage from willful misuse. No food, drinks or tobacco will be allowed in the labs.
3. Attend all labs. There will be no lab make-ups.
4. Laboratory Reports: Write your report as indicated by your TA. Include in your report:
 - a. Presentation of your measurements and other data in well-organized form, in table whenever possible. Use the tabular format for results if possible.
 - b. Show your equations with data analysis.
 - c. The reports should be well organized and concise. Expect a lower grade for poor presentation (or sloppy measurements and data handling).
5. Reports are due at the end of the lab as you are leaving.

Grading:

1. Your lecture instructor will tell you how your lab score figures into your overall course score.
2. A lab grade below 80% will lower the overall course grade one letter.
3. More than one absence from lab will lower the overall course grade one letter. There are no excused absences. If a student knows ahead of time that a lab must be missed, he/she may go to another lab the same week and let both TA's know what is going on.
4. Your lab will be graded with a ++, +, 0, -, --. Individual labs are graded with 8.00 points for attendance and 1 1/6 point for each + (-1 1/6 point for each -) for a possible 8 1/3 points maximum in each lab.
5. No labs will be dropped.

*These two experiments will be graded together as one.

To check your grades, go to www.webct.ttu.edu and use your emailer ID to log in.

Any student, who, because of a disabling condition, may require some special arrangements in order to meet course requirements, should contact the instructor as soon as possible so that the necessary accommodations can be made. Proper documentation must be presented from the Dean of Students' Office.