

PHYS 1220/1320 Engineering Physics II/College Physics II Laboratory Syllabus

TA Contact Information:

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Office Hours: M 2-3pm and 7-9pm (Physics @ Night), W 2-3pm

Lab

Your total lab grade will be scaled to 16% of your class grade. Each lab is worth 20 lab points. You must complete all the labs in order to pass the class. If you have any questions regarding the lab material, please feel free to discuss it with your TA either during office hours, or during an appointment scheduled in person or via email. When you come to lab, bring a calculator, pencil/eraser, and your lab manual. It will be helpful to have the textbook. You can either bring it to lab or complete some of your lab work at home.

Pre-Labs and Post-Labs

Pre-lab and post-lab questions are in the manual before and after each lab. Pre and post-lab questions together will be worth 10 points. Pre-labs must be done individually and are due before the lab begins. At this time all pre-lab questions are expected to be answered but will not be checked for correctness. Some of the pre-lab questions will be easier to answer correctly after completing a lab so, while it is important to think about them in advance, we'd like to give you the opportunity to use the knowledge that you gain during the lab. Pre-labs will be resubmitted with the lab and post-lab and are expected to have the correct answers at the time of final submission. Post-labs are due before the following lab begins.

Lab Reports

Each lab group will submit one lab which will be graded out of 10. Lab reports are due before the following lab begins. To complete a lab report, answer the questions in the lab manual and do any analysis discussed therein.

Submissions

When you arrive at your lab section your lab packet (consisting of a corrected pre-lab, lab, and post-lab) should be complete and ready to turn in and your pre-lab for the next lab should be ready for an initial check. Labs should be legible, neatly organized, stapled, and free of raggedy or torn edges. Be advised that this will require some preparation prior to your arrival in class due to the layout of the lab manual and lack of scissors/stapler in the lab. If these expectations are not met, labs will not be accepted. Late submissions will have 10% subtracted for each day past the due date. Your work is expected to be of high quality. When answering questions in the labs, give full answers and, if you used an external resource, please note where you found your information (page number of the textbook, website, etc.). All plots should be created with Excel or similar plotting software. I

encourage you to work in groups in answering the questions included in the labs but please write all of your pre/post-lab submissions in your own words.

Absences

Absences should be made up by attending another lab the same week. In the event that you need to make up a lab, please inform your TA and the TA whose lab you will be attending. If this is impossible, the make-up week can be used to make up one missed lab.

Questions and Concerns

If you need any special considerations, have questions about the material, need to miss a lab, or have any other questions or concerns please feel free to bring them to your TA.