To All Students in Physics 4BL

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<tr>
<th>Instructor</th>
<th>TA</th>
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<tbody>
<tr>
<td>Reiner Stenzel</td>
<td>Xun Jia</td>
</tr>
<tr>
<td><a href="mailto:stenzel@physics.ucla.edu">stenzel@physics.ucla.edu</a></td>
<td><a href="mailto:jiaxun@physics.ucla.edu">jiaxun@physics.ucla.edu</a></td>
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<tr>
<td>Knudsen 1-130E</td>
<td>PAB 1-704A (Office Hour), Knudsen 6-130T (Office)</td>
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<tr>
<td>(310)825-4029</td>
<td>by appointment</td>
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<td>Mon 4:00pm-6:00pm, or by appointment</td>
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BASIC RULE

† Be collaborative during the lab, and be honest at all time.
† Please do not have food or drink in the lab room.
† You should be taking this lab after taking Physics 1C, at least simultaneously.

PREPARATIONS

‡ A lab notebook is required to record what you have done during the experiment. Remember to write down your name in front of the notebook.
‡ A a burnable CD, or a USB storage device is needed to copying experiment data. The computers in classroom do not have internet connection.
‡ The lab manual is not available at any book store this quarter, so please download it from the computer in the lab room or from class web page.

GRADING

As described in the lab manual, the course grade will be determined from four different weighted parts:

Laboratory Reports 50% Laboratory Report is the most important part of this course. There will be 8 labs, but you only need to hand in 5 reports of them (However, this does not mean you only need to come for those 5 labs), so select 5 labs you are interested in, and try to finish them well. If you hand in more than 5 reports, the 5 bests will be counted.

Each lab report will be graded out of 10 points, and the grading criteria will be described later in detail.

Every report will be due on the lab session in the following week, besides, you have to submit your electric file into TurnItIn system from MYUCLA, the deadline will be every Friday 11:59pm. Remember, you need to submit reports in two ways. Late report will be graded under a low full score scale.

Though three students will be in a group to conduct experiments together, they have to finish their reports individually.
Pre-Labs 20% Every week, I will assign you a set of pre-lab questions to help you prepare for the coming lab. Questions will be trivial, they are all about the knowledge of next experiment. You are required to finish and hand in them in the following week’s lab. It will be graded every week.

Lab Notebook 20% Lab Notebook is used to record what you have done during the lab, including the data, experiment process, errors etc. The notebook will be collected at the end of this quarter to be graded.

Lab Participation 10% This is about your lab attendance, preparation, participation, collaboration, and discussion with me.

The final letter grade will be calculated based on ”curve grading rule.” That means, the students who has a mean score of the whole class will get B, one standard deviation above the mean is A, and on standard deviation below is C.

It is very competitive under this grading policy, thus the best strategy to get a satisfactory grade is try to be above average every time. I will keep posting the mean and standard deviation of each lab report and pre-labs on my personal webpage, so that you will be able to know your position in the class.

LAB REPORTS

What I expect is to improve your physical experimental skill, rather than skills for word or excel, so no need to spend too much time on making your report fancy, but pay attention to the following subjects.

Personal informal Be sure to write down your name, SID and your partner’s names.

Introduction A description of the objective of the experiment.

Theory Describe the theory about the experiment briefly and clearly, do not just copy formula from text books. Also, describe how the experiment will be carried out. Sketch the setup if necessary.

Experiment Procedure Write down what have happened during your whole experiment process, including errors.

Data Your original data and observations obtained in the experiments are expected here.

Analysis List your calculation based on you original data in detail, obtain the experiment results, and calculate uncertainties if necessary.

Discussion and Conclusion Do the results match with the theory? What is the reason for the differences between them? At last, you should make a conclusion about this experiment.

OTHER

§ My personal webpage is at http://jiaxun.bol.ucla.edu/, and you can find many useful materials there.

§ You are only allowed to save files in ”My document.” Please create your own folder there. Files saved in other place, such as desktop, will be deleted daily.