Physics 231: Fundamentals of Physics (Electricity and Magnetism)
Nielsen 510

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Course Materials:
Selected Introductory Physics Experiments by Dr. James Parks
ISBN: 0-759-31021-1

Lab Schedule:

Expectations:
Each student is expected to prepare a lab report to be turned in at the beginning of the following class period. Do not come to class late. If you arrive more than 15 minutes late, that week’s lab will not be graded.

Makeup Policy:
The department requires that you successfully complete each lab. There is one make up scheduled at the end of the semester. If you miss more than one lab you will fail the lab section. Therefore, it is imperative that you make it to every lab session.

Academic Honesty:
All students are expected to abide by the University Honor Statement. Each student is expected to prepare his or her own lab report and to refrain from forging data.

Grading:
Grades are composed of two items: Outlines and Lab Reports. Outlines are worth 10% of the final grade. The remaining 90% will come from the lab reports. The outline is due at the beginning of the lab period with the previous week’s lab report. At least 5 points will be deducted for each type of error in the lab report, but not for each instance of an error. The amount deducted will gradually become larger as the semester goes on.

Lab Reports:
The lab reports should consist of the following sections:
1. Title Page
2. Brief summary of the experiment
3. Brief summary of the procedure
4. Summarize your results – this is where you would put your graphs, short tables with your results, and things of that nature.
5. Error Analysis – This should be a discussion of things that caused error in your lab and a discussion of reasons that your results are not the same as what is expected.
6. Conclusions
7. Appendix
   a. This should include a hand written calculation, one for each calculation done in the lab. This way if something is errant in your data I can track it down. All numbers in the calculation should include units when appropriate.
   b. The raw data that you collected during the lab