

Physics 211 Requirements
Cheng chin
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1. Class requirement

Attend all lab sessions, complete all reports and attend at least 2 presentation sessions. In case of emergency, please contact the instructor.

2. Lab report due date:

Due exactly 11 days after and returned 14 days after the experiment

TuTh session: due on Monday 5:30pm and returned on Thursday

FM session: due on Thursday 5:30pm and returned on Monday

3. Late policy: 10% grade reduction for up to 3 days. No lab report is accepted after 3 days.

4. Presentation: On Wednesdays of week 5~8, 15+5Q&A minutes

5. Lab report content:

A. Introduction (2~3 paragraphs)

State the importance of this experiment in the development of modern physics.

State the new concept that this experiment can demonstrate or prove.

B. Theoretical background (> 1 pages)

Show/state or derive the formulae that will be used and/or be tested.

State any assumption and approximation made in this experiment.

C. Experiment setup and procedure (> 1 page)

Describe the experiment setup (in a figure) and the important components

Detail the procedure YOU used for sample preparation and data taking.

D. Experiment result (> 1 page)

Present the data (preferably in figures) with theoretical curve or fit.

Present the main result(s) with error analysis. (Required)

E. Discussion (> 1 page)

Discuss whether the agreement between experiment and theory.

Discuss the origin of any significant discrepancy.

F. Conclusion and future (2~3 paragraphs)

Does your measurement support the physics you wish to demonstrate?

Are there possible ways to improve the experiment (reduce the discrepancy)?