

Physics 201 Lab Report Grading Rubric

Total Score / 20

Summary

Clearly summarizes the experiment, results, and conclusions.

/-5	Report does not contain a summary.
/-2	Report is missing one of the requirements. a) Does not contain a brief statement about the experimental procedure. b) Does not contain a brief statement about the results. c) Does not contain a brief statement about the conclusions.
/-1	Report contains surplus information.
/ 0	Summary allows the reader to understand the basics of the laboratory by reading a few sentences.

Experimental Procedure

Laboratory procedure is clearly explained.

/-5	Report does not contain an experimental procedure section.
/-2	The procedure used in the experiment is described but is difficult to understand and would be hard to reproduce.
/-1	The procedure used in the experiment is described but incomplete.
/ 0	Report contains a description of the procedure, providing enough information that someone else could reproduce the experiment.

Results/Discussion

Analysis is clearly explained and appropriate visuals are described in words.

/-5	Report does not contain a results section.
/-4	Report does not contain appropriate graphs, equations, and/or quantities
/-2	Report contains appropriate graphs, equations, and/or quantities with no explanation.
/-1	Report contains appropriate graphs, equations, and/or quantities with confusing or incomplete explanations.
/ 0	Report has clear verbal explanations accompanying all appropriate graphs, equations, and/or quantities.

Conclusions

Consequences of the study are clearly communicated.

/-5	Report does not contain a conclusions section.
/-2	Report does contain conclusions section, but the main physics principles are not clearly stated or they are poorly developed.
/ 0	The report's conclusions section clearly communicated the main physics principles and ideas that were used and discovered in the laboratory.

Graphs

Displays data in graphical form

/-5	No relevant graphs are presented.
/-3	Some important data that should have been represented in graphical form have not been included.
/up to -2	Graphs are confusing or improperly prepared, including a) No title b) Axis is not correctly labeled c) Data runs are not correctly labeled d) Units are not present
/ 0	The report should make use of appropriately constructed graphs whenever needed in order to explain results.

Overall quality

Clearly written with correct grammar and spelling

/-5	Report is carelessly written in very poor English, and is impossible or difficult to understand.
/-3	Report is written in poor English that detracts from its quality.
/-1	Report is by and large well written, but contains occasional errors in grammar or spelling that detract from its quality.
/-1	Report is poorly organized.
/ 0	The report should be well written in clear, grammatically correct, and engaging English.