

Grading Guidelines

Each experiment will be graded on a 36 point scale, using the criteria listed below.

5 point category:

These occur rarely, but their effect on experimental results or the laboratory environment is serious. Thoughtful Pre-Lab and Analysis preparation (and asking questions!) will help you avoid these errors.

- a) misunderstood the physics
- b) serious misunderstanding or omission of requested work
- c) careless or unsafe lab procedure
- d) notebook more than 19 hours late will lose 5 points for each day that it is late.

3 point category:

The following have a substantial negative impact on the efficiency and/or the quality of your work, or that of lab instructors and graders.

- a) unprepared for lab
- b) minimal time, effort; overreliance on lab partner
- c) seriously disorganized notebook, hard to follow
- d) poor measurement technique - uncertainty not minimized
- e) missing or improper uncertainties, or uncertainty not justified (3XAP)
- f) missing or inadequate sample calculations, analysis details
- g) inadequate "stand alone" description of procedure or analysis

2 point category:

While not major problems, these detract noticeably from what should be a professional approach to laboratory work.

- a) missing or inadequate diagram(s)
- b) missing or improper units, significant figures
- c) loose sheets not taped (chronologically) in notebook
- d) missing, incorrect, or inadequate "stand alone" responses to questions
- e) missing or inadequate conclusion
- f) late lab book (<19 hours)

1 point category:

These are minor problems, but they can add up! Defend yourself by reading *Modern Physics Lab – Getting Started* (on the FYS 274 web page), and check these grading guidelines before turning in each lab.

- a) missing or inadequate title
- b) partner(s) not credited
- c) missing or inadequate purpose
- d) page not dated with current date
- e) missing or improper page number(s)
- f) large blank space(s)
- g) ink not used
- h) obliterated information (page torn out, white-out, erasing, etc.)
- i) table of contents not updated