

8.13 - Oral Exam Evaluation - Fall 2002

Exam Date:
Student:
Experiment:
Partner:
Reviewer:

Each section is graded on a 1-10 scale with an '8' being a good solid performance. Higher grades can be earned by going 'beyond' the labguide or by exhibiting exceptional laboratory technique. No letter grades are assigned until the end of the term, permitting the balancing numerical grades given in each section.

Motivation and Theory: 30%

fundamentals, no long derivations, critical relationships expressed,

Understanding of Experiment and Quality of Data: 40%

Show & discuss apparatus, calibrations, gives primary data and reduced data graphics.

Error Analysis, Interpretation and Conclusions: 20%

Shows how δY is derived, discusses systematic and random uncertainties, compares results to known values.

Presentation Quality: 10%

Timing ok, message clear, good use of graphics and text.

Lab Notebook: (1-10)

names, dates, good narrative, sketches of apparatus, sketches of raw data, clear data analysis procedures, etc.

Two Page Summary: (1-100, Theory: 30%, Experiment: 40%, Clarity & Style: 30%)

good abstract, clear introduction, appropriate experimental discussion, data and error analysis, conclusions, citations, grammar, spelling ...