

Guide to the Lab Write-Up  
Final report section

Credit (15 points total)

Introduction

What quantities are to be measured?  
What is the necessary precision?  
What is the essential physics?

2

Methodology

Key Apparatus (sketches are useful)  
Key Equations (derive or give source)  
Error analysis (derive for all expressions)

3

} Laboratory Proposal

Data and experimental details

5

Analysis of the data and experimental conclusions

3

Discussion

2

Dominant sources of error

Discrepancies with published results

Preliminary versions of the Introduction and Methodology should be written in the Laboratory Proposal. Total credit for the Proposal is 5 points. The TA will grade the Proposal in the lab during the experiment. The proposal will be a part of the report. In the report, the proposal could be improved and its grading could be increased by 3 points.