

Lab reports must be clear and easy to understand by someone who has not read the lab manual.

Main problem is lack of text and organization.

Explain what you did, why you did it, and what you learned from the experiment.

Do as much data analysis during the lab section as possible to find large errors. This way you can easily go back and fix problems.

If you find you did something wrong after the lab session, you should go back and do the correct measurement.

•Reports will be typically 5-7 pages in length. A rough outline should look like:

Introduction/Overview (1 to 2 paragraphs)

### **Experiment A**

description of what you did and why. This will include figures (i.e. circuit diagrams)

data and data analysis (including discussion of uncertainties)

interpretation and conclusions

### **Experiment B**

description of what you did and why This will include figures (i.e. circuit diagrams)

data and data analysis (including discussion of uncertainties)

interpretation and conclusions

etc.

Overall Conclusions and Summary (1 to 2 paragraphs)