

## PREPARING A REPORT for PHYSICS 108L

(1) ***Abstract:*** (50 ~ 200 words) (20 points)

A brief summary of the experiment and the results obtained.

(2) ***Theoretical background and goals of the experiment:*** (20 points)

State the goal of the experiment and describe in some detail the theoretical background behind the experiment.

(3) ***Experimental setup and procedure:*** (20 points)

Show a sketch of the experimental set-up. Describe in words the set-up and the procedures used in the measurement.

(4) ***Results and Analysis:*** (20 points)

Display the plots of the experimental results and EXPLAIN how the plots are generated from the raw data and what the plots show. The plots should be enumerated and inserted in the text or placed at the end of your report. Each plot needs a caption.

(5) ***Discussion and Conclusion:*** (20 points)

From the results obtained, comment on whether you have achieved the goal set in *the second* section. Now feel free to make any general comments of your own.