

Log Book Grading

BEFORE LAB (individual work): **TOTAL POINT VALUE: 20**

Pre-lab questions: These questions carry 10% of the grade of the lab, including logbook and memo/report grades. You have to read the material suggested in the write-ups and may need to review past classes to properly answer these questions.

Title (1 point): Lab title

Team Members/Supervisor/Group Number (1 point):

Temperature (1 point):

Barometer Reading (1 point):

Humidity (1 point):

Objectives (5 points): A brief list outlining the main points of the lab. What questions are you trying to answer by performing the experiment?

Planned Procedure (5 points): A short summary of the steps that you plan to follow in the lab during the course of the experiment.

Equipment List (5 points): A list or table of all equipment needed for the experiment (Record serial numbers during lab).

DURING LAB **TOTAL POINT VALUE: 40**

Actual Procedure and Findings (20 points): Schematic of experimental setup, list of procedural steps followed, experimental data, data reduction, modifications to the planned procedure, etc.

Results (20 points): Plots, tables, etc. exhibiting the raw data obtained in lab. Include the raw data, itself, when it is reasonable to do so.

AFTER LAB **TOTAL POINT VALUE: 40**

Analysis and Discussion (30 points): Analysis includes calculations performed using the raw data. Discussion includes detailed explanations of the physics involved, along with any unexpected data or trends observed, etc.

Conclusions and Recommendations (10 points): Conclusions about the overall results of the experiment and recommendations for improvements. This should briefly outline how the results fit within the context of the objectives set out at the beginning of the experiment. Please also remember that recommendations are not complaints, but rather they are specific suggestions for changes you would make in the future if the experiment were repeated.