
Section 5 Pre-Lab

Section 5 Preparation

Complete the following and submit to your TA upon entering the lab. You will not be allowed to begin the lab until you have submitted the pre-lab.

This lab (the final project) involves going into the field and collecting data relevant to your major. Decide where and in what type of environment to collect the data for this experiment. Collect data on light, temperature, or material stress. There will be time to collect the data during lab, but the location and method for collecting the data needs to be planned before arriving at the lab.

Here are some ideas on possible measurements for this lab:



Temperature measurements on motors
Measuring the strain on structural beams
Transparency of a liquid to measure particulate formation in a chemical reaction
Measuring body temperature
Measuring clouds in the sky with a light detector
Measuring shock waves and material deformation with a strain gauge

Create a rough preliminary outline of your final project by answering these questions: These questions might not be applicable to your project and can be revised if necessary.

1. What variable(s) are being measured?
2. Where is this being measured?
3. What will cause the change in measurements?
4. What are the appropriate settings for the DataLogger?
5. How is this relevant to your major? Be specific.