

EECS 170LA Section B Lab Report Guidelines and Grading Policy

Each student will submit their own lab report. It will be due at the beginning of the following lab section.

The grading of your laboratory report will focus on how well you achieve the class goals as documented by your writing. Your report should be brief but complete. Do not write sentences just to fill up space. Every word should have its importance, otherwise do not put it in the report. Your report will be judged not by its length but by its contents and quality.

- The **format** to be followed in writing your report is:
 1. A **cover page** with the title of the experiment; your name, section number and student ID number; partner's name; and date of the experiment.
 2. A concise statement of the **Objective (s)** (1 paragraph) of the experiment in your own words. What do you expect to learn from the experiment? What are you going to measure/build/design?
 3. A **Procedure** section (1 or more paragraphs) which explain how you measured/built/designed, show the circuit schematics if necessary, includes a brief theoretical analysis if needed.
 4. A **Results and Analysis** section (1 or more paragraphs): This section will be the central part of your report. Be sure to include nominal values for Source (V_{in}), electrical components and instrument settings if relevant, and includes electrical measurements in tabular form to make them clear. **Present your result as figures if needed, these figures will be the central result in your report.** Compare the measured results with calculated ones. Explain any discrepancy.

For all the data measurement and data analysis, **all axes must be labeled; No units, no credit; Any figure should be labeled (e.g. Fig. 1, Fig. 2, etc.); Any figure should be referenced in the main text in the order in which it appears.**

It is fine to cut/paste figures, schematics from data sheets, lab manuals, or any other source. If you do this, you must cite the reference (e.g. data sheets, lab manual, etc.)

5. A **Discussion** section (1 paragraph): Tell us what you think about the experiment, how well did it work?

- Grades

Your grade will be based on a 50% weighting of the sum of 8 report scores, and on a 50% weighting of the final laboratory quiz. The grading policy to be followed in your each lab report is:

1. Attendance is mandatory. A report for a particular experiment will be accepted only if the experiment is actually performed.
2. You are going to perform an experiment in a group of two students. But each student submits individual report. Report is due to the lab TA one week after the experiment is performed. No late report will be accepted.
3. Your score for each lab report will based on the weightings as:
Objectives (10%), Procedures (30%), Results and Analysis (50%), Discussion (10%)