**ECE-3216-50:** Lab #

Lab Name

Anthony Lam & Robert Campbell

**Objective:**

The objective statement should be written in sentence form. The objective statement

should capture the topics being studied in the laboratory

**Equipment:**

This section should include a list of the equipment that you used during the lab. This list should be included in a tabular format. (Note: In the “real world” equipment will have a calibration sticker on it. This should always be checked. If the equipment is “out of calibration”, don't use it.)

**Procedure:**

This section should describe, step-by-step, what you did to get set up, make your measurements, any problems you encountered, interesting things that you observed, or any other comments or observations that you wish to make that you feel may impact your results. Remember this is to be in sentence form. The level of description is to be that someone with your level of training ca reproduce your results.

**Data:**

Data should be recorded in a table. Any plots or charts placed in your lab report must be annotated and tell part of the story being developed in the report.

**Analysis:**

This is the section where you make sense out of the data you collected in the lab. Your data may or may not match your predictions. It probably won't match exactly. If it doesn't match, you need to explain why. Don't forget the possibility that your predictions were wrong. If they were wrong, rework them and explain why they were wrong to begin with. Never delete incorrect measured data or calculated data but simply identify what is wrong and what the correct values are. The write up should read more like a journal than a final polished report

**Conclusion:**

In this section you should discuss how the experience in the experiment has extended your knowledge. You should also discuss how this new knowledge will be useful in the future.