

ECE 437: Laboratory Information

Teaching Assistant: Shaun Armstrong (sjarmstr@uiuc.edu)

Lab Times: Wed: 2:00pm-5:00pm
Fri: 9:00am-12:00pm
Fri: 2:00pm-5:00pm
(all labs in 235 Everitt Laboratory)

Laboratory Guidelines:

1. No food or drink are allowed in the laboratory at any time.
2. Please return the lab bench to a clean and orderly state when you are done.
3. Safe laboratory practices should be followed at all times. Ensure that the currents and voltages are appropriate for the specific instrument you are using.

Lab Report Requirements:

1. Only typed reports, please.
2. Spelling and grammar matter. You are in college after all.
3. Give special attention to Mini-Experiment sections (see below), since they are important and will be weighted accordingly.
4. Answer all questions posed in the lab instructions including:
 - a. Lab preparation questions
 - b. Lab questions
 - c. Post-lab questions

*** Please be concise. Most questions can be answered in one to three sentences ***
5. If there are LabVIEW VIs that you used, include printouts of their Block Diagram and Front Panel.
6. Include anything else in your report you feel is pertinent, such as helpful illustrations, deviations you made from the written directions, problems with lab equipment, etc. It can help us improve the course in the future.

Mini-Experiment Write-Up Requirements:

1. State the experiment's purpose.
2. Briefly describe the setup, what equipment you will use, and what you plan to do (sketches can save you a lot of writing).
3. Mention dependent and independent variables.
4. State your hypothesis.
5. Show results and/or calculations.
6. Make conclusions about your tests and, if applicable, suggest something better.