

Experiment 10: Final Project Proposal

Laboratory Outline:

Today begins the final project development. You will begin in breakout to discuss your final project idea(s) and attempt to trim out a challenge that has the correct scope (ECE 110 topics) and the right level of difficulty (you have only labs 10 and 11 to progress unless you can take advantage of 1001 ECEB's Supervised Lab Play).

While you are progressing on your project, you will also continue to hone your skills in ECE 110 by completing additional **Mini-Project Modules**. You will find that many of the modules available to you are more-complex in design, but shorter in procedure. They should help immensely in your ability to improve the quality of your final project while still leaving time for project-specific design.

Breakout Session

Critique each other's preliminary project proposal. Provide ideas for making the project more creative. Provide ideas on how to characterize the sensors. Help each other to define a project with the correct level of difficulty (not too simplistic, not too difficult).

At Your Bench

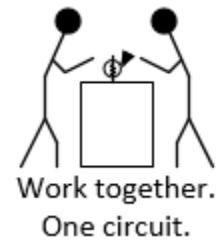
At this point in the semester, you and your lab partner are allowed to work together on all modules and are expected (required) to work together on your final project (although sub-division of the labor is absolutely allowed). Ultimately, both partners are responsible for obtaining a working project, a well-written report, and verifying that plagiarism has been avoided.

Breakout Discussion Session

With 20 minutes remaining in the session, meet back at the center benches to discuss your progress (or lack thereof). Help each other improve their game plan!

Learning Objectives

- Completion of modules relevant to the project you have in mind for improved mastery.
- Interaction with peers for the purpose of improving project design and development.



Name: _____

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Section AB/BB:

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Notes: _____

Lab 10 Summary

Question 1: Provide a short description of your project. Include a block diagram that details the sensor, output, and central circuit. Include details how the circuit will be tested for correct operation (what devices/signals will be needed).