Name/NetID:

Teammate/NetID:

Section AB/BB:

0 1 2 3 4 5 6 7

8 9 A B C D E F

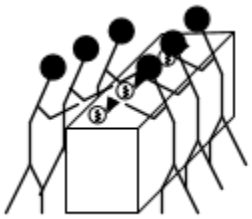
(circle one)

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, 11, and 12 to progress unless you can take advantage of 1001 ECEB's open lab hours).

While you are progressing on your project, you will also continue to hone your skills in ECE 110 by completing additional ***Explore More!*** **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.



Collaborate.

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).

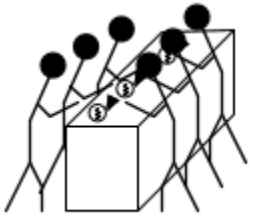
At Your Bench

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.

Work together.
One circuit.

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!



Collaborate.

Notes:

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.

Lab 10 Summary (to be submitted at the end of Lab)

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).

For TA use only:

- Prelab Check: full/half/zero credit TA initials: _____
- Student was engaged throughout the lab, not distracted by phone, homework, etc. TA initials: _____

Indicate if the initial proposal has been accepted. Email students right away if the proposal is not acceptable. The formal (final) proposal is due next week as is the Unit 2 Report.