

Experiment 11: Final Project Progression

Laboratory Outline:

Today we continue the final project development. You may still be having challenges getting your project rolling or maybe you are excelling at the work. You have only this lab to progress unless you can take advantage of 1001 ECEB's open lab hours. In any case, take a few minutes in the breakout session to either seek help from your lab mates or to offer suggestions to help them out. This course is not easy for everyone and coming up with a project design and moving that towards a solution is generally a great challenge for any student in a first-year course in STEM.

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 improve your ability to improve the quality of your final project while still leaving time for project-specific design.

Breakout Session

Go around the table offering a brief description of your project. Don't hesitate to say that you need some help and, if inclined, don't hesitate to offer your assistance (even a few minutes is often greatly appreciated). Remember, our TAs are always on the lookout for students who would serve as great future course aides for ECE 110!

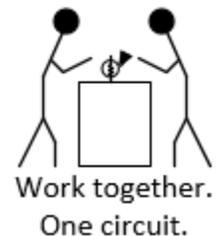
At Your Bench

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.

The TAs should be able to provide you with additional **Mini-Project Modules** that may aid you in your project!

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!



The final project also requires a video. We recommend that you produce a two-minute video before the demo. In that video, give your names, your plan (with circuit or block diagram), and then demo the project both with and then without the oscilloscope.

On demo day, try to replicate this same methodology. Often, even if your project has troubles, you can show competence by using the oscilloscope and reduce point loss. Also, having the video on reserve will provide another quick resource to save face.

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.

Notes:

Name: _____

UIN:

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Section AB/BB:

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Lab 11 Summary

Question 1: Are you pleased with your current progress?

Question 2: What do you struggle with the most?

Question 3: Do you have a favorite Mini-Project Module? A least favorite?