

ECE455 Lab 1 Sample Timing

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Going Through the Lab Manual

- Getting familiar with the IDE
- Create a "hello world" project
 - Use the boards in the lab
- Quickly go through the manual
 - Hint: Focus on sections needed for Lab 1

Lab 1 Requirement

- Refer to the lab manual not this slide!
- SW Delay using nested for() loops.
- Hardware timer using interrupts.
- Measure differences to a wall clock or stopwatch after 10 minutes run(s).

Lab 1 Deliverables

- A zip file that have your KEIL uVision project folder and 2 source folders that should have source files for both implementations; one for the SW delay and one for the HW timer.
 - Don't submit 2 main.c files in the same project folder
- The 2 binary files (.axf) you used to test your code.
- Short pdf report of maximum 1 page that briefly discuss your work and concludes the difference between the accuracy of the two techniques.
 - Please write your name and ID in the report.

Lab Deadlines

- Posted to LEARN:
 - Lab 1 is due on May 20th
 - Lab 2 is due on June 10th
 - Lab 3 is due on July 4th
 - Lab 4 is due on July 22nd
- E2-2363 Lab is reserved for ECE455 all Thursdays 9.30-11.30am.

TA Contact

Use LEARN to send email:

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- Office E5-4119
- Learn announcement if I will be in the lab.
- If needed, will announce office hours.