

## EECS 473--Advanced Embedded Systems. Fall 2024

Date	Day	Topic	Labs due at start of lab period	HW/Project
8/27/2024	Tuesday	Class introduction, Designing interfaces, Arduino	Lab1 prelab	
8/29/2024	Thursday	Designing interfaces, Project overview		
9/3/2024	Tuesday	Scheduling and real-time systems, RTOS	Lab1, Lab2 prelab	HW0 ( <i>due Monday!</i> )
9/5/2024	Thursday	RTOS, off-the-shelf boards	<b>Group Formation 6:30pm-8:30pm, Dow 1013</b>	
9/10/2024	Tuesday	RTOS: Learning by example: FreeRTOS	Lab2, Lab3 prelab	
9/12/2024	Thursday	Embedded Linux		Draft Proposal, due Friday
9/17/2024	Tuesday	Embedded Linux	Lab3, Lab 4 prelab	
9/19/2024	Thursday	No class: Project proposal meetings		<i>Proposal meetings</i>
9/24/2024	Tuesday	PCBs, start on power integrity	Lab 4, Lab 5 prelab	
9/26/2024	Thursday	Power integrity		Formal Proposal
10/1/2024	Tuesday	Batteries	Lab 5	
10/3/2024	Thursday	Linear regulators		
10/8/2024	Tuesday	Introduction to digital signal process(ors/ing)		HW1, due Wednesday
10/10/2024	Thursday	Exam review (lectures 1-11)		Milestone 1 report
10/15/2024	Tuesday	<b>Fall Break</b>		
10/16/2024	Wednesday	<b>Midterm 6-8pm</b>		
10/17/2024	Thursday	<b>Milestone meetings during class</b>		<i>Group meetings</i>
10/22/2024	Tuesday	<i>Guest speaker: Optiver</i>		
10/24/2024	Thursday	Wireless communication (theory)		
10/29/2024	Tuesday	Wireless communication (applied)		Last day to order PCBs.
10/31/2024	Thursday	Finish wireless. Switching regulators		
11/5/2024	Tuesday	Catchup as needed		<i>Milestone 2 report</i>
11/7/2024	Thursday	No class: Milestone 2 meetings		<i>Group meetings</i>
11/12/2024	Tuesday	<i>Guest speaker</i>		
11/14/2024	Thursday	No class--work in lab*		
11/19/2024	Tuesday	No class--work in lab*		
11/21/2024	Thursday	<b>Thanksgiving</b>		
11/26/2024	Tuesday	No class--work in lab*		
11/28/2024	Thursday	Design expo and posters		
12/3/2024	Tuesday	No class--work in lab*		
12/5/2024	Thursday	<b>No class--Design Expo</b>		<b>Design Expo!</b>
12/9/2024	Monday			HW2
12/16/2024	Monday	<b>Final Exam, 4-6pm</b>		

Assignments are generally due at 11pm that day

\* Guest speakers may be moved to one of these days.