

EECS 473--Advanced Embedded Systems. Fall 2023

Date	Day	Topic	Labs due at start of lab period	HW/Project
8/29/2023	Tuesday	Class introduction, Designing interfaces, Arduino	Lab1 prelab	
8/31/2023	Thursday	Designing interfaces, Project overview		
9/5/2023	Tuesday	Scheduling and real-time systems, RTOS	Lab1, Lab2 prelab	HW0
9/7/2023	Thursday	RTOS, off-the-shelf boards	Group Formation 6:30pm-8:30pm	
9/12/2023	Tuesday	RTOS: Learning by example: FreeRTOS	Lab2, Lab3 prelab	
9/14/2023	Thursday	Embedded Linux		Draft Proposal, due Friday
9/19/2023	Tuesday	Embedded Linux	Lab3, Lab 4 prelab	
9/21/2023	Thursday	No class: Project proposal meetings		<i>Proposal meetings</i>
9/26/2023	Tuesday	PCBs, start on power integrity	Lab 4, Lab 5 prelab	
9/28/2023	Thursday	Power integrity		Formal Proposal
10/3/2023	Tuesday	Batteries	Lab 5	
10/5/2023	Thursday	Linear regulators		
10/10/2023	Tuesday	Introduction to digital signal process(ors/ing)		HW1, due Wednesday
10/12/2023	Thursday	Exam review (lectures 1-11)		Milestone 1 report
10/17/2023	Tuesday	Fall Break		
10/18/2023	Wednesday	Midterm 6-8pm		
10/19/2023	Thursday	Milestone meetings during class		<i>Group meetings</i>
10/24/2023	Tuesday	Wireless communication (theory)		
10/26/2023	Thursday	Wireless communication (applied)		
10/31/2023	Tuesday	Finish wireless. Switching regulators		Last day to order PCBs.
11/2/2023	Thursday	TBA*		
11/7/2023	Tuesday	<i>Guest speaker</i>		<i>Milestone 2 report</i>
11/9/2023	Thursday	No class: Milestone 2 meetings		<i>Group meetings</i>
11/14/2023	Tuesday	<i>Guest speaker</i>		
11/16/2023	Thursday	No class--work in lab*		
11/21/2023	Tuesday	Design Expo and posters		
11/23/2023	Thursday	Thanksgiving		
11/28/2023	Tuesday	No class--work in lab*		
11/30/2023	Thursday	No class--Design Expo		Design Expo
12/3/2023	Sunday			Final report due
12/5/2023	Tuesday	Class wrap-up/Final exam review		HW2 due
12/11/2023	Monday	4:00-6:00 pm, Final exam		

Assignments are generally due at 11pm that day

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