EECS 473--Advanced Embedded Systems. Fall 2026

Date	Day	Topic	Labs due at start of lab period	HW/Project
9/1/2026	Tuesday	Class introduction, Designing interfaces, Arduino	Lab1 prelab	
9/3/2026	Thursday	Designing interfaces, Project overview		
9/8/2026	Tuesday	Scheduling and real-time systems, RTOS	Lab1, Lab2 prelab	HW0 *(due Monday!)*
9/10/2026	Thursday	RTOS, off-the-shelf boards	***Group Formation 6:30pm-8:30pm, LCSIB 2365***	
9/15/2026	Tuesday	RTOS: Learning by example: FreeRTOS	Lab2, Lab3 prelab	
9/17/2026	Thursday	Embedded Linux		Draft Proposal, due Friday
9/22/2026	Tuesday	Embedded Linux	Lab3, Lab 4 prelab	
9/24/2026	Thursday	No class: Project proposal meetings		*Proposal meetings*
9/29/2026	Tuesday	PCBs, start on power integrity	Lab 4, Lab 5 prelab	
10/1/2026	Thursday	Power integrity		Final Proposal
10/6/2026	Tuesday	Batteries	Lab 5	
10/8/2026	Thursday	Linear regulators		
10/13/2026	Tuesday	Introduction to digital signal process(ors/ing)		HW1 due Wednesday
10/15/2026	Thursday	Exam review (lectures 1-11)		Milestone 1 report
10/20/2026	Tuesday	**Fall Break**		
10/21/2026	*Wednesday*	**Midterm 6:30-8:30pm**		
10/22/2026	Thursday	***Milestone meetings during class***		*MS1 meetings*
10/27/2026	Tuesday	Wireless communication (theory)		
10/29/2026	Thursday	Wireless communication (applied)		
11/3/2026	Tuesday	Finish wireless. Switching regulators		Last day to order PCBs.
11/5/2026	Thursday	Catchup as needed		
11/10/2026	Tuesday	No class--work in lab*		*Milestone 2 report*
11/12/2026	Thursday	No class: Milestone 2 meetings		*MS2 meetings*
11/17/2026	Tuesday	No class--work in lab*		
11/19/2026	Thursday	*Guest speaker**		
11/24/2026	Tuesday	No class--work in lab*		
11/26/2026	Thursday	***No class--Thanksgiving***		(Suggest working on HW2)
12/1/2026	Tuesday	Design expo and posters		
12/3/2026	Thursday	Guest speaker*		
12/8/2026	Tuesday	No class--work in lab*		
12/10/2026	Thursday	**No class--Design Expo**		**Design Expo!**
12/11/2026	*Friday*			**Final Report due**
12/13/2026	*Sunday*			HW2 due
12/16/2026	Wednesday	**Final Exam, 1:30-3:30pm**		

Assignments are generally due at 11pm that day

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