

Fall '24	Lecture Topics	Canvas Assignment Due Dates	In-lab Task	Other
19-Aug			Lab 0 [at home]	
20-Aug				
21-Aug				
22-Aug	Intro, Digital Design, Prototyping			
23-Aug		Course Logistics		
26-Aug			Lab 1	
27-Aug				
28-Aug				
29-Aug	K-map Review, Circuit Debugging			
30-Aug		Intro to Oscilloscope		
2-Sep				
3-Sep			Lab 2	
4-Sep		Oscilloscope Measurement/Control		
5-Sep	Technical Comm., Oscilloscope Review			
6-Sep				
9-Sep			Lab 3	
10-Sep		State Machine Refresher		
11-Sep				
12-Sep	VHDL, Hardware State Machines			
13-Sep		VHDL & Hierarchical Design		
16-Sep			Lab 4	
17-Sep				
18-Sep		SignalTap Logic Analyzer		
19-Sep	VHDL State Machines, State Considerations			
20-Sep				
23-Sep			Lab 5	
24-Sep				
25-Sep		Train Simulator Intro		
26-Sep	Additional SM Info, Train Controller			
27-Sep				
30-Sep			Lab 6	Oscilloscope Practical Exercise
1-Oct				
2-Oct		SCOMP Architecture		
3-Oct	Computer Architecture			
4-Oct				
7-Oct			Lab 7	
8-Oct				
9-Oct				
10-Oct	[no lecture]			
11-Oct				
14-Oct				
15-Oct				
16-Oct		Processor I/O		
17-Oct	Computer I/O, Debugging			
18-Oct				
21-Oct			Lab 8	
22-Oct				
23-Oct		Project Background		
24-Oct	Project Introduction			
25-Oct		Teaming Survey		
28-Oct			Project Work	State Machine Practical Exercise
29-Oct				
30-Oct				
31-Oct	Project Tips, Proposal Tips			
1-Nov		Logbook 1		
4-Nov			Project Work [quiz 9]	
5-Nov				
6-Nov				
7-Nov	Project Demonstration Tips	Project Technical Checkpoint		
8-Nov		Logbook 2		
11-Nov			Project Work	Proposal Presentions
12-Nov				
13-Nov				
14-Nov	In-class Exam			
15-Nov		Logbook 3		
18-Nov			Open Hours	
19-Nov		Project Files Submission / Logbook 4	[lab closed]	
20-Nov			Project Demos	
21-Nov	[no lecture]			
22-Nov				[lab closed]
25-Nov			Project Demos	
26-Nov				
27-Nov				
28-Nov				
29-Nov				
2-Dec				
3-Dec		Project Summary		