Date	Location	Seminar Topic	Non-SME lab	SME lab
		Introduction, syllabus, course goals, get acquainted, course infrastructure (Piazza, other online tools, etc.).,Boolean Algebra,		
8/20		the timescale of digital systems, prerequisites from physics		
			Basics of voltage, logic, and use of	
Week of 8/24	VL E283	Discrete logic Introduction of the basis project bardware	the oscilloscope	Same
8/27	Classroom	Discrete logic. Introduction of the basic project hardware	Driving solenoids, LEDs, and	
Week of 8/31	VL E283		speakers digitally with CADET	Quartus tutorial
		Modern digital design techniques HDLs and FPGAs;		
9/3		Understanding the design space what can we do with our tools and logic devices?		
370	5.000.00			Implementing simple combinational
			Combinational logic learning	logic and state machines w/
Week of 9/7	VL E283		module	schematics
		State machines and how they are used; Form design teams;		
9/10	Classroom	General project/proposal requirements		
				Implementing comb. Logic in VHDL
				(Before, read Designing with VHDL,
Week of 9/14	VL E283		Quartus tutorial	and optionally Harris Ch. 4 )
0/17		Writing the proposal; Catch up on any unfinished material;		
9/17	Classroom	Discuss project possibilities		
Week of 9/21	VL E283		Sequential logic learning module	Implementing state machines in VHDL
9/24	Classroom	Turn in draft proposals and discuss informally	Experiments with project	
Week of 9/28	VL E283		modules	Same (working as teams now)
10/1		Midterm exam; continue project discussion		,
Week of 10/F	V/I F202		Advanced experiments with	Same (working as teams now)
Week of 10/5	VL E283	Midterm self-assessment. Set goals. Adjust expecations as	project modules	Same (working as teams now)
10/8	Classroom	needed.		
Week of 10/12	VII E202		Testing techniques with	Same (working as teams now)
Week of 10/12 10/15	VL E283 Classroom	Does your project need a processor? Or anything else?	oscilloscopes	Same (working as teams now)
,		, , , , , , , , , , , , , , , , , , , ,	Testing techniques with logic	
Week of 10/19	VL E283	Turn in final consequence Discovering of anxionts and an add for	analyzers	Same (working as teams now)
10/22	Classroom	Turn in final proposals; Discussion of projects and needs for simulation and test; Oral presentation techniques		
Week of 10/26		Instructor assistance with project designs		
10/29		Continued discussion of project needs		
Week of 11/2		Instructor assistance with project designs		
11/5		Project-based learning activities (driven by needs)		
Week of 11/9		Instructor assistance with project implementation		
11/12	Classroom			
Week of 11/16		Instructor assistance with project implementation		
11/19		Project-based learning activities (driven by needs)		
Week of 11/23		Instructor assistance with project implementation		
11/26		Thanksgiving holiday		
Week of 11/30	VL E283*	Finish projects and demonstrate		
12/3	Classroom	Poster presentations		
Week of 12/7		NO FINAL EXAM		

<sup>\*</sup> Project hardware and associated work may be in other locations for different teams