

CprE 281: Class Schedule (Fall 2014)

Week	Day/Date	Topic	Readings	Homework	Lab
1	Monday 8/25	Introduction	1.1, 1.2, 1.3, 1.4		No Lab
	Wednesday 8/27	Binary Numbers	1.5, 1.6		
	Friday 8/29	Truth Tables & Logic Gates	2.1, 2.2, 2.3, 2.4		
2	Monday 9/1	NO CLASS: University Holiday			Lab 1
	Wednesday 9/3	Boolean Algebra	2.5	HW 1 due	
	Friday 9/5	AND, OR, NOT	2.6		
3	Monday 9/8	NAND, NOR	2.7	HW 2 due	Lab 2
	Wednesday 9/10	Design Examples	2.8		
	Friday 9/12	Intro to Verilog (part 1)	2.9, 2.10		
4	Monday 9/15	Intro to Verilog (part 2)	2.9, 2.10	HW 3 due	Lab 3
	Wednesday 9/17	Karnaugh Maps	2.11		
	Friday 9/19	Minimization	2.12, 2.13		
5	Monday 9/22	Functions and Circuits	2.14, 2.15, 2.16	HW 4 due	Lab 4
	Wednesday 9/24	Examples	2.17		
	Friday 9/26	Midterm Review Session			
6	Monday 9/29	Midterm #1			Lab 5
	Wednesday 10/1	Addition of Unsigned Numbers	3.1, 3.2		
	Friday 10/3	Signed Numbers	3.3		
7	Monday 10/6	Fast Adders	3.4, 3.5	HW 5 due	Mini Project
	Wednesday 10/8	Multiplication	3.6		
	Friday 10/10	Floating Point Numbers	3.7		
8	Monday 10/13	Multiplexers	4.1	HW 6 due	Lab 6
	Wednesday 10/15	Decoders & Encoders	4.2, 4.3		
	Friday 10/17	Code Converters	4.4, 4.5		
	Friday 10/17	* Midterm Grade Reports Due *			
9	Monday 10/20	Latches	5.1, 5.2, 5.3	HW 7 due	Lab 7
	Wednesday 10/22	D Flip-Flops	5.4		
	Friday 10/24	T Flip-Flops & JK Flip-Flops	5.5, 5.6, 5.7		

Week	Day/Date	Topic	Readings	Homework	Lab
10	Monday 10/27	Registers	5.8	HW 8 due	Lab 8
	Wednesday 10/29	Counters	5.9, 5.10		
	Friday 10/31	Midterm Review Session			
	Friday 10/31	***DROP DEADLINE***			
11	Monday 11/3	Midterm # 2			Lab 9
	Wednesday 11/5	Examples with Counters	5.11, 5.14, 5.17		
	Friday 11/7	Basic Design Steps	6.1		
12	Monday 11/10	State-Assignment Problem	6.2	HW 9 due	Lab 10
	Wednesday 11/12	Moore & Mealy Machines	6.3, 6.4		
	Friday 11/14	Serial Adder	6.5		
13	Monday 11/17	State Minimization	6.6	HW 10 due	Lab 11
	Wednesday 11/19	Designing a Counter	6.7		
	Friday 11/21	Arbiter Circuit	6.8		
14	Monday 11/24	NO CLASS: Thanksgiving Break			No Lab
	Wednesday 11/26	NO CLASS: Thanksgiving Break			
	Friday 11/28	NO CLASS: Thanksgiving Break			
15	Monday 12/1	Analysis of Syn. Seq. Circuits	6.9	HW 11 Due	Work on
	Wednesday 12/3	ASM charts	6.10, 6.11		Final
	Friday 12/5	Examples	6.12, 6.13		Project
16	Monday 12/8	TBD		HW 12 due	Final
	Wednesday 12/10	TBD			Project
	Friday 12/12	Final Review Session			Demo
17	Finals Week 12/19	FINAL EXAM @ 12:00-2:00pm	everything		No Lab