CprE 281: Class Schedule (Fall 2019)

Week	Day/Date		Topic	Readings	Homework	Lab
1	Monday	8/26	Introduction	1.1, 1.2, 1.3, 1.4		No Lab
	Wednesday	8/28	Binary Numbers	1.5, 1.6		
	Friday	8/30	Truth Tables & Logic Gates	2.1, 2.2, 2.3, 2.4		
2	Monday	9/2	NO CLASS: University Holiday			Lab 1
	Wednesday	9/4	Boolean Algebra	2.5	HW 1 due	
	Friday	9/6	AND, OR, NOT	2.6		
3	Monday	9/9	NAND, NOR	2.7	HW 2 due	Lab 2
	Wednesday	9/11	Design Examples	2.8		
	Friday	9/13	Intro to Verilog	2.9, 2.10		
4	Monday	9/16	Karnaugh Maps	2.11	HW 3 due	Lab 3
	Wednesday	9/18	Minimization	2.12, 2.13		
	Friday	9/20	Functions and Circuits	2.14, 2.15, 2.16		
5	Monday	9/23	Examples	2.17	HW 4 due	Lab 4
	Wednesday	9/25	Midterm Review Session			
	Friday	9/27	Midterm #1			
6	Monday	9/30	Addition of Unsigned Numbers	3.1, 3.2	HW 5 due	Lab 5
	Wednesday	10/2	Signed Numbers	3.3		
	Friday	10/4	Fast Adders	3.4, 3.5		
7	Monday	10/7	Multiplication	3.6		Mini
	Wednesday	10/9	Floating Point Numbers	3.7		Project
	Friday	10/11	Multiplexers	4.1		
8	Monday	10/14	Decoders & Encoders	4.2, 4.3	HW 6 due	Lab 6
	Wednesday	10/16	Code Converters	4.4, 4.5		
	Friday	10/18	Latches	5.1, 5.2, 5.3		
	Friday	10/18	* Midterm Grade Reports Due *			
9	Monday	10/21	D Flip-Flops	5.4	HW 7 due	Lab 7
	Wednesday	10/23	T Flip-Flops & JK Flip-Flops	5.5, 5.6, 5.7		
	Friday	10/25	Registers & Register Files	5.8		

Week	Day/Date		Topic	Readings	Homework	Lab
10	Monday	10/28	Counters	5.9, 5.10	HW 8 due	Lab 8
	Wednesday	10/30	Midterm Review Session			
	Friday	11/1	Midterm # 2			
	Friday	11/1	***DROP DEADLINE***			
11	Monday	11/4	Examples with Counters	5.11, 5.14, 5.17	HW 9 due	Lab 9
	Wednesday	11/6	Basic Design Steps	6.1		
	Friday	11/8	State-Assignment Problem	6.2		
12	Monday	11/11	Moore & Mealy Machines	6.3, 6.4	HW 10 due	Lab 10
	Wednesday	11/13	Serial Adder & Arbiter Circuit	6.5, 6.8		
	Friday	11/15	State Minimization	6.6		
	Friday	11/15	PROPOSE FINAL PROJECT			
13	Monday	11/18	Designing a Counter	6.7	HW 11 due	Lab 11
	Wednesday	11/20	Analysis of Syn. Seq. Circuits	6.9		
	Friday	11/22	ASM charts & Examples	6.10 – 6.13		
14	Monday	11/25	NO CLASS: Thanksgiving Break			No Lab
	Wednesday	11/27	NO CLASS: Thanksgiving Break			
	Friday	11/29	NO CLASS: Thanksgiving Break			
15	Monday	12/2	Register Machines		HW 12 due	Work on
	Wednesday	12/4	Arithmetic Logic Unit (ALU)			Final
	Friday	12/6	TBD			Project
16	Monday	12/9	Simple Processor (part 1)			Final
	Wednesday	12/11	Simple Processor (part 2)			Project
	Friday	12/13	Final Review Session			Demo
17	Finals Week	12/19	FINAL EXAM @ 2:15-4:15pm	everything		No Lab