

January 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5 Week 1	6	7 Monday Schedule	8	9 Class 1: Course Overview, Computer Anatomy (set 1). Digital Logic and Identities (set A1). (due at start of class, Thursday Jan 9!) Reading due (by start of class): textbook pages A-4 to A-8 (scanned copy), complete reading report form)	10	11
12 Week 2	13 Reading due: pages A-11 to A-13, A-17 to A-18	14 Class 2: Logic Minimization and K-maps	15 Pre-lab due	16 Lab 1: Logic simulator BRING LAPTOP TO CLASS HW 1 due (App. A)	17	18
19 Week 3	20 MLK Day	21 Class 3: Muxes, sequential logic, flip-flops (set A2). Reading due (by 0800): pages A-10, A-47 to A-53 (up to "Register files")	22 Reading due: pages A-66 to A-73 (skip parts on Verilog)	23 Class 4: State machines, SRAM/DRAM. Lab 1 due Project 1 announced	24	25
26 Week 4	27 Reading due: section 1.6	28 Class 5: Finish Digital Logic.	29 Reading due: sections 1.9, 1.10	30 Class 6: Performance Metrics.	31	

		System Performance (set P)				
		HW 2 due (App. A continued)				

February 2020						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2 Week 5	3	4 Class 7: Instructions (set 2) Reading: 2.1-2.3,2.5-2.6 . START Instructions/Memory/Machine Language. Control Flow, pseudoinstructions (set 3) Reading: 2.7 Project 1 due Course Paper Announcement	5	6 Class 8: Control flow, looping. Reading: 2.12	7	8
9 Week 6	10	11 6 Week Exam Feedback Due	12	13 Class 9: Constants, byte order. . START Stacks/procedures (set4) Reading: 2.8-2.10	14	15
16 Week 7	17 Presidents Day	18 Class 10: Nested procedures	19	20 Class 11: SPIM lab (set5: spim) BRING LAPTOP TO CLASS. Project 2 announced Paper description due	21	22
23 Week 8	24	25 Class 12: Finish nested procedures	26	27 Class 13: Computer Arithmetic (set 9). . START Number representation. Reading: 2.4, 3.1- 3.3. Skim 3.4.	28	29

March 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 Week 9	2	3 Class 14: MIPS FP instructions. Reading: pages 259-262, section 3.8	4 Project 2 due	5 Class 15: More Computer Arithmetic. (set 10).	6	7
8 Spring Break	9 Spring Break	10 Spring Break	11 Spring Break	12 Spring Break	13 Spring Break	14 Spring Break
15 Week 10	16	17 Class 16: ALU, multiplication. .	18	19 Class 17: Start I/O (set 11). Finish I/O. Start processor (set 13))	20	21
22 Week 11	23	24 Class 18: Processor impl. (set 13). Reading: 4.1-4.4 . START Single cycle datapath.	25	26 Class 19: Single cycle control (set 14)	27	28
29 Week 12	30	31 12 Week Exam				

April 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2 Class 20: Processor continued	3	4
5 Week 13	6	7 Class 21: Memory hierarchy (set 15). Reading: 5.1, 5.3, 5.4 .	8	9 Class 22: Improved caching (set 16).	10	11

		START Caching: blocks, associativity.				
12 Week 14	13	14 Class 23: Caching continued . START Cache performance (set 17). Reading: 5.7 (pgs 446-451 optional), 5.8, 5.15, 5.16 Paper v1.0 due (bring two copies to class)	15	16 Class 24: Virtual memory	17	18
19 Week 15	20	21 Class 25: Ethics / Peer Review Day	22	23 Class 26: Buffer Overflow Lab Course paper due (Coversheet/Rubric/Sample paper)	24	25
26 Week 16	27	28 Class 27: Pipelining (set 19). Reading: 4.5, 4.10, 4.11, 4.14, 4.15 . START Pipelining Last day of classes Buffer Overflow Lab due	29	30		

May 2020						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4 Class 28: Multiple issue	5	6	7	8	9

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