## COMP251 Schedule

Mook	Dav	Date	Class	Tonic	Reading	Bowiew exercises	Homowork oversions	work due
Neek	Day	Date	number	Торіс	required	Review exercises	Homework exercises	work due
				Introduction and				
1	Mon	8/27	1	motivation	-	-	-	
				History and structure	1.1, 1.2, 1.3,	2nd ed: r1.21, r1.24	2nd ed: e1.2, e1.5 (brief answer is	
	Thu	8/30	2	of computers	1.5.6, 1.6, 1.7	3rd ed: r1.21, r1.25	fine)	
						2nd ed: r2.3, r2.6,	2nd ed: e2.4a, e2.11b, e2.12a,	
				Unsigned whole	2.1, 2.2, 2.3.0,	r2.23	e2.28a, e2.30	
				numbers, and	2.3.1, 2.6.3,	3rd ed: r2.3, r2.7,	3rd ed: e2.4a, e2.18b, e2.19a,	
2	Mon	9/3	3	character codes	2.6.4	r2.26	e2.37a, e2.39	
	Thu	9/6	4	project 1 discussion	-	-	-	HW1
3	Mon	9/10	5	-				
	Thu	9/13	6	-				
							2nd ed: e2.5c (2's complement	
					2.4.0, 2.4.1,		only), e2.5d (2's complement only),	
					2.4.2 (but skip	2nd ed: r2.9, r2.12,	e2.6c, e2.9b, e2.19a, e2.25d	
				Signed whole	"One's	r2.16, r2.17, r2.20	3rd ed: e2.6c (2's complement	
				numbers; Floating-	Complement"),	3rd ed: r2.10, r2.13,	only), e2.6d (2's complement only),	
4	Mon	9/17	7	point numbers	2.5	r2.18, r2.19, r2.22	e2.11c, e2.14b, e2.27a, e2.33d	
						2nd ed: r3.4, r3.8, r3.9		
				Boolean algebra and	3.2.0. 3.2.1. 3.3.	3rd ed: r3.4, r3.9,	2nd ed: e3.2b, e3.23	
	Thu	9/20	8	logic gates	3.4	r3.10	3rd ed: e3.2b, e3.26	project 1
		5720						project 1
							2nd ed: e3.26, e3.28, e3.32 (hint	
							for e3.32: use figures 3.5 and 3.11)	
				Combinational		2nd ed: r3.12, r3.13	3rd ed: e3.29, e3.32, e3.43 (hint for	
5		0/24	0		2 5			
	Mon	9/24	9	circuits	3.5	3rd ed: r3.15, r3.16	e3.43: use figures 3.5 and 3.11)	
						2nd ed: r3.14, r3.15,		
						r3.19		
		- 1				3rd ed: r3.17, r3.18,	2nd ed: e3.40, e3.44	HW2
	Thu	9/27	10	Sequential circuits	3.6.0-3, 3.6.5	r3.22	3rd ed: e3.51, e3.57	proj 2A
						2nd and 3rd ed: r4.3,	2nd ed: e4.4	
6	Mon	10/1	11	Hardware overview	4.0-4.7	r4.10, r4.19, r4.23	3rd ed: e4.5	
				Assembly language		2nd and 3rd ed:	2nd ed: e4.15a	
	Thu	10/4	12	introduction	4.8-4.10	r4.24, r4.26, r4.31	3rd ed: e4.23	project 2
				Assembly language			2nd ed: e4.18	
7	Mon	10/8	13	and assemblers	4.11	2nd and 3rd ed: r4.34	3rd ed: e4.30	
				Exam 1 (covers				
	Thu	10/11	14	classes 1-11)				[Exam 1]
8	Mon	10/15		[Fall Pause]				_
				Subroutines in			2nd ed: e4.20	
9	Thu	10/18	15	assembly language	4.12		3rd ed: e4.32	<del>HW3</del>
				Assembly language				
	Mon	10/22	16	practice			see webpage for HW question	HW3
				Real-world				
	Thu	10/25	17	architectures	4.14.0, 4.14.1	2nd and 3rd ed: r4.39		
10	Mon	10/29		[cancelled due to stor				
						2nd and 3rd ed: r5.3,	2nd ed: e5.2a, e5.14	1
	Thu	11/1	19	instruction set design	5.1-5.4	r5.4, r5.7, r5.14	3rd ed: e5.2a, e5.18	project 3
		, _		instruction level		, , -	-	,
				pipelining and real-		2nd and 3rd ed: r5.18,	2nd ed: e5.16	
11	Mon	11/5	20	world ISAs	5.5, 5.6.1, 5.6.3	r5,24	3rd ed: e5.20	
11	IVIOII	11/3	20	memory systems and	5.5, 5.0.1, 5.0.5	2nd and 3rd ed: r6.1,	5.4 cd. c5.20	
	Thu	11/0	21	performance	6.1-6.3	r6.2, r6.6	_	HW4
	inu	11/8	21	periormance	0.1-0.5	10.2, 10.0		11004

## COMP251 Schedule

			Class	1	кеааіпд			
Week	Day	Date	number	Торіс	required	Review exercises	Homework exercises	work due
				Exam 2 (covers				
	Thu	11/15	23	classes 12-21)				[Exam 2]
						2nd and 3rd ed: r6.9,	2nd ed: e6.2, e6.4, e6.7a	
13	Mon	11/19	24	cache memory	6.4	r6.10, r6.13	3rd ed: e6.2, e <del>6.4</del> 6.5, e6.9a	
	Thu	11/22		[Thanksgiving]				
	Mon	11/26	25			2nd and 3rd ed: r6.30,	2nd ed: e6.12	
14				virtual memory	6.5.0-6.5.3	r6.36	3rd ed: e6.16	
	Thu	11/29	26	I/O and disk systems	7.1- <b>7.3<del>7.4</del>;</b> 7.6.0, 7.6.1, 7.9.0, <del>7.9.2,</del> 7.9.6	2nd and 3rd ed: r7.1, r7.6, r7.8, r7.11, r7.21, r.22	"How many disk failures can a RAID5 system tolerate? Explain." AND: 2nd ed: e7.2, e7.19a, e7.19b 3rd ed: e7.6, e7.25a, 7.25b	
				hardware design	tecs-ch-1, tecs-			
15	Mon	12/3	27	project	appendix-A			HW5
	Thu	12/6	28	hardware design project				
	Thu	12/13		Final exam, 2pm				