EECS 470 Winter 2024 schedule--note that it is likely we won't follow this exactly

Day	Date	Topic	Reading	Homework	Verilog & Project
Thursday	1/11	Introduction and Pipeline review	A.1-A.2		
Friday	1/12	*Lab 1: SystemVerilog: Hardware Description Language*			
Tuesday	1/16	In-order hazards, dependencies, start of OoO	A.2-A.4		
Thursday	1/18	Dependencies, rename, reorder	3.1, 3.4-3.5	HW1 due	
Friday	1/19	*Lab 2: The Build System*		.	
Tuesday	1/23	Tomasulo's Algorithm	3.4-3.5		P1 due
Thursday	1/25	Branch prediction	3.3		
Friday	1/26	*Lab 3: Writing Good Testbenches*			
Tuesday	1/30	More Branch prediction, ILP	3.3, paper		P2 due
Thursday	2/1	Exceptions, Adding a RoB--P6 algorithm	3.6, 3.8		
Friday	2/2	*Lab 4: Linux Scripting*		HW2 due	
Tuesday	2/6	Adding a PRF--R10K algorithm			Project handout
Thursday	2/8	Early branch resolution, Tclock			
Friday	2/9	*Lab 5: SystemVerilog*			P3 due (Sunday)
Tuesday	2/13	Finish OoO, superscalar, more EBR	3.8		**Proposal due**
Thursday	2/15	**Exam 1: 7pm-9pm** **Class period is question and answer**		HW3 due on Wednesday	
Friday	2/16	*Group meetings (Proposal)*			*Project group meetings (Proposal)*
Tuesday	2/20	Caching and virtual memory	B.1-B.3		
Thursday	2/22	Caching and virtual memory	B.1-B.4		
Friday	2/23	*Lab 6: Memory*			
Tuesday	**2/27**	**Spring Break**			
Thursday	**2/29**				
Friday	**3/1**	**No classes**			
Tuesday	3/5	Caching and virtual memory	B.1-B.4		**Milestone 1 due**
Thursday	3/7	Power	0		
Friday	3/8	*Group meetings (Milestone 1)*			
Tuesday	3/12	Multi-processor	5.1-5.5		
Thursday	3/14	Multi-processor	5.1-5.5		
Friday	3/15	--			
Tuesday	3/19	Multi-processor	5.1-5.5		
Thursday	3/21	Memory Scheduling and Prefetching		HW4 due	
Friday	3/22	--			
Tuesday	3/26	*In-class quiz*, Static optimization	3.2, 3.7		
Thursday	3/28	Static optimization and IA64	On-line doc		**Milestone 2 due**
Friday	3/29	*Group meetings (Milestone 2)*			
Tuesday	4/2	Multi-threaded processors	5.1		
Thursday	4/4	ISA overview	A		
Friday	4/5	--			
Tuesday	4/9	Instruction scheduling	3, paper		
Thursday	4/11	TBA			**Milestone 3 due**
Friday	4/12	*Group meetings (Milestone 3)*			
Tuesday	4/16	TBA (likely no class)		HW5 due	
Thursday	4/18	Exam review			
Friday	4/19	--			
Saturday	4/20			**Project due, 9pm**	
Tuesday	4/23	Oral presentations	**Project report due at oral presentation**		
Friday	4/26	**Final exam (10:30-12:30)**			