Date	Lecture Number	Торіс
8 September	0	Introduction, build first computer
13 September	1	MIPS ISA - I
15 September	2	Digital Circuits I - Gates, Decoder, Mux, Adder
20 September	3	MIPS ISA - II
22 September	4	Performance Benchmarking and Amdhl's Law (Video)
27 September	5	Processor (Datapath)
29 September	6	Processor (Controlpath)
4 October		Midsem Exam (In Class) 8%
6 October	7	Processor (Pipelining-I)
11 October	8	Processor (Pipelining-II)
13 October	9	Processor (Pipeline Hazards)
18 October	10	Processor(Pipeline Hazards)
20 October	11	Processor (Superscalar-I)
10/25/22	12	Processor (Superscalar-II)
10/27/22	13	SIMD and Vector Instructions
1 November	14	Midterm-II Review
3 November		Midsem Exam (In Class) 10%
8 November	15	Cache Concepts
10 November	16	Cache Design
15 November	17	Cache Design (Project)
17 November	18	Main Memory
22 November	19	Virtual Memory
24 November		Thanksgiving No Class
11/29/22	20	ECC and RAID
1 December	21	I/O (Video)
6 December	22	Energy efficient architectures (Video, in class disscusion led by Tanmay)
8 December	23	Multi-Threading, Multi-Core, GPUs (Video, in class disscusion led by lan)
13 December	24	Review Lecture
20 December		Final Exam (Online) 10%