WEEK	DATE	LECTURE TOPIC	HOMEWORK	LAB: See your Lab Instructor for
1	1/25/2022	Intro./Number Systems		Discussion Activities
		Logic Intro		
2	2/1/2022	Binary Numbers		Activity_Lab0: Lab Intro
		Number Conversions		
3	2/8/2022	Logic Gates,		Activity_Lab1:Logic gates
		Truth Tables, Schematics	HW#0 due	
4	2/15/2022	Boolean Algebra, DeMorgan's Theorem		
		DeMorgan's Theorem		
5	2/22/2022	FPGA and Verilog Introduction, Schematics		Activity_Lab2: Combinational Logic / V
		Minterms & Maxterms	HW#1 due	
6	3/1/2022	Karnaugh Map Theory & Examples		
		Binary Addition & Adders, Carry Bit		
7	3/8/2022	Signed Numbers, 2's Comp		Activity_Lab3:
		Comparators, Sign Bit		
8	3/15/2022	Catchup & MidTerm Review	HW#2 due	
		MidTerm #1		Activity_Lab4:
9	3/22/2022	Spring Recess		
10	3/29/2022	Introduction To Latches & Flip Flops		
		S-R Latches & D & T & JK Flip Flops		
11	4/5/2022	Registers, Counters		
		Simulation & Timing Diagrams	HW#3 due	
12	4/12/2022	State Machine Analysis		Activity_Lab4:
		Verilog Descriptions of State Machines		
13	4/19/2022	Catchup & MidTerm Review	HW#4 due	
		MidTerm #2		Activity_Lab5: State Machintes
14	4/26/2022	State Machine Designs with Mealy & Moore		
		State Machine Designs with Mealy & Moore		Activity_Lab6: State Machines Applicat
15	5/3/2022	LEDs & Seven Seg., Resistors, Decoders		
		Buffers/Drivers, Tri-State Devices ALUs and output Flags -NCVZ	HW#5 due	Activity_Lab7:Project State Mach. App
16	5/10/2022	Memory & Data Transfers, Basic CPUs		Lab Project Presentation
		Microprocessor Instructions & Opcodes, Registers and I/O Devices		
17	5/17/2022	Finals Week	HW#6 due	
			HW#7 due	

General Notes: Homework from selected sources

References
Mano

OpenSourceBooks
Digi
Digital Logic
Exp
Reference

EEE64-CpE64 Syllabus
EEE64-CpE64 Website

EEE64-CpE64 ECS Webclass