

week	the topic	Learning outcomes	Type of learning
1	Number systems and conversion between them	L01	a lecture
2	Boolean algebra and logic gates	L02	Lecture+ Lab
3	Simplifying circuits using Karnaugh maps	L03	Lecture+ Application
4	Combinational Circuit Analysis and Design	L04	a lecture
5	First short test	L01, L02	a test
6	Half and full mosque design and comparisons	L04	Lecture+ Lab
7	Midterm exam	L01 - L04	a test
8	Sequential Circuit Concepts- Flip-Flops	L05, L06	a lecture
9	Design of registers and meters	L06	Lecture+ Lab
10	Second short test	L06	a test
11	Applications of ring counters and synchronization	L06	a lecture
12	Digital Integrated Circuit Design Project	L03 - L06	project
13	Project report writing and analysis	L03 - L06	a report
14	General review	AllLO	review
15	Final exam	AllLO	a test