

Department of Physics & Astronomical Sciences

Central University of Jammu

Course: Electronics

Credits: 4

Instructor: Dr Avinash Chand Yadav

Lecture Plan

Sr. No.	Broad Topics	Number of Lectures	Syllabus Unit
1	Digital Concept; Number Systems, Operations, and Code; Logic Gates	6	I
2	Boolean Algebra and Logic Simplification,	9	II
3	Combinational Logic Analysis; Functions of Combinational Logics	9	III
4	Latches, Flip-Flops, Counters, Registers	12	IV
5	Analog to Digital and Digital to Analog conversion	9	V

References:

- (i) Thomas L. Floyd, *Digital Fundamentals (9th Edition)*, Pearson Prentice Hall (2006).
- (ii) NPTEL: <http://www.nptelvideos.in/2012/12/digital-circuits-and-systems.html>.

Note: An assignment will be provided for each unit.