

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري لمادة تقنيات رقمية	
	Material Covered
١ + ٢	Review of Digital Techniques 1 Combinational Logic Design
Week 3	Sequential Circuits
Week 4	Finite State Machines (FSM)
Week 5	Memory Systems
Week 6	Introduction to VHDL/Verilog
Week 7+8	Digital System Design Using FPGA Digital-to-Analog (DAC) and Analog-to-Digital Converters (ADC)
Week 9	Digital Signal Processing (DSP) Basics
Week 10	Interfacing Digital Circuits with Optoelectronic Devices
11+12	Data Transmission & Error Control Microcontroller Applications in Optoelectronics
Week 13+14	Advanced Topics System Integration
Week 15	Student Presentations & Course Review
Week 16	final Exam