



weekly lesson schedule

Course Lecturer		Dhuha Habeeb Mtashar			
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Title		Workshops Technology			
Course Coordinator					
Course Objectives		<ul style="list-style-type: none"> This course aims to develop students' skills in safe electronics workshop practices, the use of measuring tools, and techniques for welding, soldering, and handling components on printed boards. It also builds knowledge of electronic components, parallel and series circuits, and enhances the ability to read, design, and assemble electronic circuits. 			
Course Description		This course introduces fundamental concepts of electronics, covering measuring devices, soldering techniques, and key electronic components. Students will learn safe workshop practices, construct and analyze various circuits, troubleshoot faults, and develop skills in reading, designing, and assembling electronic boards.			
Textbooks		1 Digital principles and applications, by Albert Paul Malvino, 2nd Edition. 2. Digital Logic Circuits by D.A.Godse A.P.Godse, Technical Publications 200			
final exam 60	project	Assignment	daily exams	lab	
	10	10	10	10	
General Notes					



Week	Date	Topics Covered	Number of Hours	Notes
١	1٠-11-2024	Occupational Safety, Foundry Workshop, Files type Workshop, Carpentry Workshop, Turnery workshop, Welding types Workshop		
٢	١٧-11-2024	Learn how to use different measuring devices in the workshop, Learn how to use caustic, types of caustic, welding by using caustic		
٣	2٤-11-2024	Types of welding, Auxiliary materials for welding, wires welding between them and with .other components Sucker solder and Solder removal, • Training to remove some of the electronic components of the printed board		
٤	١-12-2024	Learn different types of printing board through printing method, drilling operation, Install the .various components		
٥	٨ -12-2024	Different types of electronics components through manufacturing for example the resistance and its power, measure the value of resistance in different methods, rheostat, Parallel resistance circuit - series resistance circuit - parallel and series resistance circuits - and check it.		
٧-٦	15-12-2024 22-12-2024	Types of capacitance • 14-15 Parallel capacitance circuit - series capacitance circuit - parallel and series capacitance, circuit - check it on the board, Switch types, Fuses types, Inductor types, Transformer types		
٩-٨	29-12-2025 5-1-2025	• Types of capacitance • 14-15 Parallel capacitance circuit - series capacitance circuit - parallel and series capacitance, circuit - check it on the board, Switch types, Fuses types, Inductor types, Transformer types		
١٢-١١-١٠	12-1-2025 19-1-2025 26-1-2025	• Learn how to read electronic board, Students learn to design electronic board on the printed board, install the component on the board, and welding the components on the board.		
١٤-١٣	2-2-2025 9-2-2025	• Learn how to read electronic board, Students learn to design electronic board on the printed board, install the component on the board, and welding the components on the board.		
١٥	16-2-2025	Files type Workshop		

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Head of Department signature: