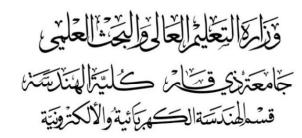
Ministry of Higher Education and Scinetific Research Thi-Qar University Collage of Engineering Electrical and Electronic Engineering Dept





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التاريخ: / / ٢٠

Course number and name	EE 4800: Electrical Engineering Design I
Credits and contact hours	2 credits and 2 hours (plus time spent with project advisor)
Course coordinator	
Textbook	Design of Devices & Systems (3rd edition), W.H. Middendorf
	and R. H. Englemann, Marcel Dekker, 1998
Course Information	a. Prerequisites: you have to be senior student
	b. Required
	- Design team formation, Senior design project identification
	and selection methods and guidelines, Needs analysis and
	design specifications, Engineering design methodologies,
	- Feasibility studies
	- Project planning and the critical path method
	- Human factors engineering
	- Formal engineering proposal preparation
Topics to be covered	 Intellectual property including patents and copyrights,
	Engineering ethics and professionalism
	- Basic electronic system prototyping techniques
	- Attend EE department seminar(s) and Conference on Senior
	Engineering Design Projects
	- Students are encouraged to utilize a variety of software
	packages for project
	scheduling, design and analysis of analog and digital circuits
	and systems, physical
	drawings, mathematics, etc., in their homework and proposal
	preparation activities