



العدد :

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
Topics to be covered	<ul style="list-style-type: none">- 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- 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