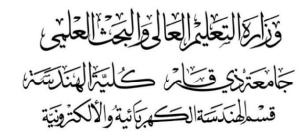
Ministry of Higher Education and Scinetific Research Thi-Qar University Collage of Engineering Electrical and Electronic Engineering Dept





العدد : التاريخ : / / ٢٠

Course number and name	EE 2510: Introduction to Microprocessors
Credits and contact hours	3 credits and 3 hours
Course coordinator	
Textbook	
	a. Prerequisites: EE 1500 Digital Logic and sufficient
Course Information	knowledge of programming (C or C++)
1/27/	b. Selective Elective
	-Introduction to computer system, microprocessor evolution
	and architectures, numbering systems
	-Software model of 8086 microprocessor, physical addresses
	and assembly Language
	-Data transfer instructions, arithmetic instructions, shift and
	rotate instructions, flag control instruction (compare and jump
1	instructions), string instructions
	-Variables, arrays and constants, MS-DOS functions and
	BIOS calls, program development using TASM.
Topics to be covered	-Hardware architecture of 8086 microprocessor
	-I/O Ports, interfacing of I/O devices, memory interface of
11 2:1114	8086 microprocessor
	-Building complete microprocessor based systems
	-Architecture and organization of microcontrollers
-2/36/1	-Instruction set of 8051 MCU, 8051 assembly language
يةوالالكترونية	programming, interfacing of external memories, keyboard and
	LED Displays
	- Interfacing of actuators and transducers, timer/counter
	Operation