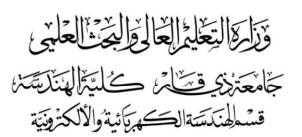
Ministry of Higher Education and Scinetific Research Thi-Qar University Collage of Engineering Electrical and Electronic Engineering Dept





العدد :

۲. التاريخ : / /

Course number and name	EE 4200: Electronics III
Credits and contact hours	3 credits and 4 hours
Course coordinator	
Textbook	Microelectronic Circuits w/CD (6th edition). Sedra/Smith, 2010
Course Information	a. Prerequisites: EE 3200 Electronics II
	c. Required
Topics to be covered	- Review of the main topics in Electronics II
	-The operational amplifier: integrators, differentiators,
	application to CMOS and BiMOS circuits, Active Filters:
	basic filter response and characteristics (low pass, high pass,
	band pass, and band stop)
	-The Oscillator and its feedback, oscillators with RC and LC
	feedback circuits
	–Power Amplifiers: class (A, B, AB, and C)
	-CMOS digital logic circuit, dynamic operation of CMOS,
	Pseudo-NMOS logic circuit, pass-transistor logic circuit,
	dynamic MOS logic circuit, emitter-coupled logic, BiCMOS
	digital circuit

