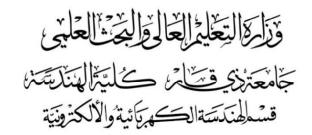
Ministry of Higher Education and Scinetific Research Thi-Qar University Collage of Engineering Electrical and Electronic Engineering Dept





العدد:

التاريخ : / / ٢٠

Course number and name	EE 2100: Circuits III
Credits and contact hours	3 credits and 4 hours
Course coordinator	
Textbook	Fundamentals of Electric Circuits, C. K. Alexander and M. N. O. Sadiku, 4 th edition, 2009
Course Information	a. Prerequisites: EE 1110 Circuits II
	b. Required
Topics to be covered	Three phase system and thier power system analysis
	- Magnetically coupled networks, mutual inductance, energy
	analysis, ideal transformer
	-Variable frequency network performance, variable frequency
	response analysis, resonance circuits, filter networks, Bode
	plots.
	-Two port networks, admittance/impedance/ hybrid/
	transmission parameters, conversions
	-The Laplace transform and its application, definition,
	singularity functions, transform pairs/properties, inverse
	Laplace, circuit elements, analysis and synthesis techniques.
1106	-Operational amplifiers

قسم المنكسة الكهبائية والألكتونية