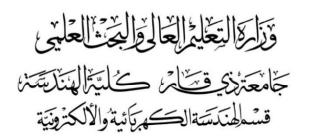
Ministry of Higher Education and Scinetific Research Thi-Qar University Collage of Engineering Electrical and Electronic Engineering Dept





العدد :

التاريخ : ۲. 1

Course number and name	EE 1100: Circuits I
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: High school math and physics
	b. Required
Topics to be covered	– Electrical units, quantities, elements
	– Circuit topology
	- Basic circuit laws: Ohm's Law, Kirchhoff's Laws, voltage
	and current division
	- Nodal and mesh analysis
	- Circuit theorems: linearity, superposition, source
	transformation, Thevenin's and Norton' Theorems, maximum
	power transfer

