



العدد :

التاريخ : ٢٠ / /

<b>Course number and name</b>	<b>EE 1100: Circuits I</b>
<b>Credits and contact hours</b>	3 credits and 4 hours
<b>Course coordinator</b>	
<b>Textbook</b>	Fundamentals of Electric Circuits, C. K. Alexander and M. N. O. Sadiku, 4 <sup>th</sup> edition, 2009
<b>Course Information</b>	a. Prerequisites: High school math and physics b. Required
<b>Topics to be covered</b>	– Electrical units, quantities, elements – Circuit topology – Basic circuit laws: Ohm's Law, Kirchoff's Laws, voltage and current division – Nodal and mesh analysis – Circuit theorems: linearity, superposition, source transformation, Thevenin's and Norton's Theorems, maximum power transfer

قسم هندسة الكهربية والإلكترونية