



العدد :

التاريخ : / / ٢٠

Course number and name	EE 1110: Circuits II
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 <sup>th</sup> edition, 2009
Course Information	a. Prerequisites: EE 1100: Circuits I b. Required
Topics to be covered	<ul style="list-style-type: none"><li>- Capacitance and inductance</li><li>- Sinusoids and phasors</li><li>- Sinusoidal steady state analysis</li><li>- AC circuit power</li><li>- RC, RL, and RLC circuit: transient and steady state response and forced and natural response to step input.</li><li>- First and second order transient circuits (RL, RC, RLC): first and second order response</li><li>- Steady state power analysis: complex power, power factor and pf correction.</li></ul>

قسم هندسة الكهربية والإلكترونية