



العدد :

التاريخ : / / ٢٠

Course number and name	EE 3100: Signals and Systems
Credits and contact hours	3 credits and 4 hours
Course coordinator	
Textbook	Fundamentals of Electric Circuits, 4 <sup>th</sup> edition, C. K. Alexander and M. N. O. Sadiku, 2009
Course Information	a. Prerequisites: EE 2100 Circuits III b. Required
Topics to be covered	– Course introduction and overview – Basic concepts of signals and systems – Introduction to Laplace Transform – Laplace transform and circuit analysis – Fourier Series and its applications – Fourier Transform and its applications – Z-Transform and its applications – Complex Variables and complex functions, Cauchy Integral Formula

كلية الهندسة  
قسم هندسة الكهربية والإلكترونية