

(e.g. MATLAB).

## Faculty of Engineering & Technology

## Signals & Systems

Information :						
Course Code :	EED230	Level	:	Undergraduate	Course Hours :	3.00- Hours
Department : Computer & Intelligent Systems Engineering						
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Description :						
Continuous-time and discrete-time signals and systems. Linear time-invariant (LTI) systems: system properties, convolution sum and the convolution integral representation,						
system properties, LTI systems described by differential and difference equations. Fourier						
series: Representation of periodic continuous-time signals. Continuous time Fourier transform and its properties: Time and frequency shifting, conjugation, differentiation and						
integration, scaling, convolution, and the Parsevalo relation. Case studies using S/W tools						