Faculty of Engineering & Technology

Digital Signal Processing

Information :

Course Code :	EED332	**Level** :	Undergraduate	**Course Hours :**	3.00- Hours

Department : Biomedical Engineering

Description :

Sampling and Reconstruction of continuous time signals. Discrete time convolution, Z transforms: Analysis, Properties, and System stability. The Discrete Fourier transform:
Analysis, Properties, Circular convolution, and Overlap-Add and Overlap-Save Filtering.
The Fast Fourier transform. Multi-rate signal processing (decimation and interpolation).
Infinite Impulse Response and Finite Impulse Response digital filters design.