

Faculty of Engineering & Technology

Digital Signal Processing

Information :

Course Code : EED332

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Communication and Computer Engineering

Instructor Information :

Title	Name	Office hours
Professor	Hussein Abdel Atty Elsayed Mohamed	1
Teaching Assistant	Shahd Ahmad Samir Ibrahim	

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.