

ENGR4220 : Signals and Systems

Time-domain and frequency-domain analysis of signals and systems, applications of Fourier series, Fourier transform, and Laplace transform in circuits and systems, Analog filters. Signal sampling and reconstruction. Difference equations, Z-transforms, and the discrete Fourier transform. Fundamentals of digital filters. Discrete-time signals and systems, A/D and D/A conversion, filter design, using MATLAB and Simulink. **Fee:** Additional fee required.

Credits 3

Prerequisite Courses

ENGR1100

ENGR2210

Fees

Additional fee required.