



H-Form ECE 270

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering – Electronics +Communications +Renewable Energy		
Course Name	Signals and Systems		
Course Code	ECE 270		
Year / Level	3/5		
Credit Hours	3		
Contact Hours	Lecture: 3	Lab/Tutorial: 2	Training: 0
Language	English		
Track	<input type="checkbox"/> University <input type="checkbox"/> College <input checked="" type="checkbox"/> Department <input type="checkbox"/> Program		
	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective		
Pre-requisites Course	ECE 210		
Co-Requests	-		
Course Description	Representation and properties of continuous time signals. Linear time-invariant systems and convolution. Fourier series. Fourier transform and applications. Sampling theorem. Laplace transforms. Transfer functions. Time domain analysis of discrete linear systems and z- transform. The discrete Fourier transform.		