



## H-Form ECE 204

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering – Communication Engineering Program		
Course Name	Probability and Random Processes		
Course Code	ECE 204		
Year / Level	3/6		
Credit Hours	3		
Contact Hours	Lecture: 3	Lab/Tutorial: 0	Training: 0
Language	English		
Track	<input type="checkbox"/> University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Program		
	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective		
Pre-requisites Course	MATH 265-2		
Co-Requests	-		
Course Description	Review of basics of probability, moment generating and characteristic function, bivariate RVs, joint and marginal distributions, multiple RVs, transformations of multiple RVs, general discrete- and continuous random processes, stationarity and ergodicity, Gaussian and Poisson random processes, auto- and cross- correlation functions, power spectral densities, and linear systems with random inputs.		