



H-Form ECE 330

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering – Electronics +Communications +Renewable Engineering		
Course Name	Control Systems		
Course Code	ECE 330		
Year / Level	3/7		
Credit Hours	3		
Contact Hours	Lecture: 3	Lab/Tutorial: 0	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 270		
Co-Requests	-		
Course Description	Introduction to control systems. Representation of physical control system elements. Transfer functions, Signal flow graphs. State space analysis. Sensitivity, static accuracy and transient response. Stability of control systems: Routh criterion, Root locus, Frequency response methods, Nyquist stability criterion. Compensation techniques. Introduction to digital control and the Z transform. Discrete time control system.		