



H-Form ECE 241

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering – Electronics +Communications +Renewable Energy		
Course Name	Electronics (1)		
Course Code	ECE 241		
Year / Level	3/6		
Credit Hours	4		
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 211		
Co-Requests	-		
Course Description	Op amp Linear Applications. PN junction and Zener diodes. Diode Models. Diode basic circuit analysis and diode applications (e.g. rectifier and limiters). MOSFET and BJT (Mode of operation, Terminal characteristics, DC biasing, small signal analysis). Amplifier configurations and characteristics. CMOS digital circuits.		