



H-Form ECE 346

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering - Renewable Energy		
Course Name	Power Electronics		
Course Code	ECE 346		
Year / Level	4/7		
Credit Hours	3		
Contact Hours	Lecture:2	Lab/Tutorial: 2	Training: 0
Language	English		
Course Type	<input type="checkbox"/> University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Program		
	<input type="checkbox"/> Required <input type="checkbox"/> Elective		
Pre-requisites Course	ECE 241/ECE 211		
Co-Requests	-		
Course Description	Power diodes, Power transistors – BJT,MOSFET, GTO and IGBT; Thyristors, TRIAC, switched mode regulators, buck regulators, boost regulators, buck – boost regulators, AC regulators , cycloconverters, choppers, step up and step down choppers, speed control of dc motors, Isolated converters, SMPS, UPS, three phase inverters.		