



H-Form ECE 332

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering – Renewable Energy		
Course Name	Introduction to renewable energy engineering		
Course Code	ECE 332		
Year / Level	4/8		
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 checked="" type="checkbox"/> Required <input type="checkbox"/> Elective		
Pre-requisites Course	ECE 331/ECE 276		
Co-Requests	-		
Course Description	Basic principles, Per-unit system, Power generation, Transmission and sub transmission, Distribution, Loads, Power factor correction, , Generator and transformer models, line model, Power flow analysis, Power dispatch problem, Transient stability, Dynamic stability, Symmetrical components and unbalanced faults, Load frequency control, Automatic generation control, Reactive power and generation control, Power system stabilizer (PSS) design.		