



## H-Form ECE 230

A Brief Course Description			
<b>College</b>	Engineering		
<b>Department/ Program</b>	Electrical Engineering – Renewable Energy		
<b>Course Name</b>	Introduction to renewable energy engineering		
<b>Course Code</b>	ECE 230		
<b>Year / Level</b>	2/4		
<b>Credit Hours</b>	3		
<b>Contact Hours</b>	Lecture: 2	Lab/Tutorial: 2	Training: 0
<b>Language</b>	English		
<b>Course Type</b>	<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		
<b>Pre-requisites Course</b>	PHYS 102		
<b>Co-Requests</b>	-		
<b>Course Description</b>	Introduction to Renewable Energy Engineering including survey of conventional energy resources; oil, gas, coal, and renewable energy resources; thermal solar energy, Principles of photo-voltage PV solar cells, wind mills, hydropower, tidal, wave, geothermal, hydrogen & biofuels, and nuclear. Conservation of energy, energy resources, energy efficiency, energy production, introduction to energy power plants.		