



H-Form ECE 454

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering – Renewable Energy		
Course Name	Advanced Solar Cells and Systems		
Course Code	ECE 454		
Year / Level	4/10		
Credit Hours	3		
Contact Hours	Lecture: 2	Lab/Tutorial: 2	Training: 0
Language	English		
Track	<input type="checkbox"/> University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Program		
	<input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective		
Pre-requisites Course	ECE230		
Co-Requests	-		
Course Description	Advanced Solar Cells and Systems including novel solar cells technologies, in detailed solar cells modules operation principles an physics, measurement techniques and performance analysis of the solar cells. Including also the systems of tandem solar cells, concentrator (CPV and HCPV) and hybrid solar PV (3-generations).		