



H-Form ECE 451

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering – Electronics Engineering Program		
Course Name	Solar cells		
Course Code	ECE 451		
Year / Level	4/8		
Credit Hours	4		
Contact Hours	Lecture: 3	Lab/Tutorial: 0	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	ECE 350		
Co-Requests	-		
Course Description	Advanced semiconductor devices as a new source of energy for the 21st century. Delivering electricity directly from sunlight. The suitable semiconductor materials. Device physics. Fabrication technologies for solar cells. The cost aspects, market development. Application areas of solar cells. Application of design of a complete solar cell system for household application.		