



H-Form ECE 350

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering - Electronics Engineering Program		
Course Name	Optical Electronics		
Course Code	ECE 350		
Year / Level	4/7		
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 checked="" type="checkbox"/> Required <input type="checkbox"/> Elective		
Pre-requisites Course	ECE 240, ECE 241		
Co-Requests	-		
Course Description	Fundamentals of optical signals and modern optical devices and systems. Photovoltaic solar cells. Optical systems sources (e.g., lasers and light-emitting diodes), light modulation components (e.g., liquid-crystal light modulators), transmission media (e.g., free space or fibers), photodetectors (e.g., photodiodes, photomultiplier tubes), information storage devices (e.g., optical disk), processing systems (e.g., imaging and spatial filtering systems) and displays (LCOS microdisplays).		