



H-Form ECE 453

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering – Renewable Energy		
Course Name	Optical Electronics for REE		
Course Code	ECE 453		
Year / Level	4/8		
Credit Hours	3		
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 351		
Co-Requests	-		
Course Description	Fundamentals of optical signals and modern optical devices and systems. 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 spatial filtering systems) and displays.		