



## Photovoltaic Devices

<b>Course Number</b>	EECE 472
<b>Course Name</b>	Photovoltaic Devices
<b>Credit Value (Breakdown of theory and lab credits)</b>	3T+0L
<b>Catalog Course Description</b>	Student will study Photovoltaic effect in semiconductors; electrical and mechanical design of photovoltaic cells, panels, and systems; use of lenses and mirrors in PV systems; manufacturing methods of PV devices. <i>Prerequisite:</i> EET 200/L. (3, 3T+0L)
<b>Student Learning Outcomes/Objectives /Competencies of the Course</b>	1. Solar Radiation; 2. PV Effect; 3. Solar Cell Design; 4. PV System Basics; 5. System Components; 6. System Considerations.
<b>College-Wide Student Learning Outcomes</b>	Critical Thought

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