



PHOTOVOLTAIC SYSTEMS DESIGN AND INSTALLATION

Course Number	RE 208
Course Name	PHOTOVOLTAIC SYSTEMS DESIGN AND INSTALLATION
Credit Value (Breakdown of theory and lab credits)	4 credits 2 Theory 2 Studio
Catalog Course Description	In this course, you will cover the rapidly developing technology dealing with electrical energy production from the sun. You will study the contrasts between AC versus DC, and grid-tied versus stand-alone systems. You will discuss collectors, batteries, control systems, disconnects, over-current protection and distribution to structures, with an emphasis on the installation and maintenance of systems and safety concerns. Classes will take place on- and off-campus. Prerequisites: ENG 108N, MATH 100N, RE 103. Recommended Co-requisite: ELEC 190. (4, 2T+2S)
Student Learning Outcomes/Objectives /Competencies of the Course	Students will: <ul style="list-style-type: none"> • Present ideas and information effectively for specific purposes through written statements. • Analyze and synthesize information. • Understand and appreciate cultural diversity. • Use information technology to function effectively and responsibly in society.
College-Wide Student Learning Outcomes	Communication