



SOLAR THERMAL AND ELECTRIC ENERGY STORAGE

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| Course Number | EMET 454 |
| Course Name | SOLAR THERMAL AND ELECTRIC ENERGY STORAGE |
| Credit Value (Breakdown of theory and lab credits) | 4T+0L |
| Catalog Course Description | <p>The focus of this course is on learning the fundamentals of energy storage using either solar thermal or electric energy. Students will study thermal processes of solar energy conversion in solar engineering through topics such as solar radiation, solar harnessing equipment and system, solar materials and properties, solar applications, and solar system design. Students will also study electrochemical, electrostatic, and electromechanical processes for storage of electrical energy: design of storage systems; storage efficiency measures.</p> <p><i>Prerequisite:</i> ENGR 217/L (4, 4T+0L)</p> |
| Student Learning Outcomes/Objectives /Competencies of the Course | |
| College-Wide Student Learning Outcomes | <ol style="list-style-type: none"> 1. Critical Thought 2. Cultural Competence |

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