



## EGR 183: Energy Efficiency and Conservation Measures

This course is designed to give students the skills to identify and understand energy efficiency and conservation methods used to reduce energy consumption. Students analyze residential and commercial facilities for opportunities to employ these energy-saving measures. Students become familiar with the use of energy monitoring and measuring equipment used for energy auditing. Students also learn to calculate energy savings and determine environmental impacts of these energy saving methods. Three lecture hours per week. Instructional Support fee applies.

### Course Student Learning Outcomes

1. Explain energy efficiency and conservation methods available for energy use reduction in residential and commercial settings. 2. Demonstrate energy savings and environmental impacts for most energy efficiency methods in order to identify and assess energy conservation opportunities. 3. Demonstrate the appropriate usage of energy monitoring and measuring equipment commonly used by energy specialists and energy auditors.

**Credits:** 3

**Program:** Engineering