

## M E 406: Alternative Energy Systems Mechanical Engineering

This course does a qualitative and quantitative survey of various alternate energy methods for power generation. It contains first-order analysis of some of the systems such as alternatives to harness wind power through wind turbines, solar-based systems - active and passive solar, flat-plate solar collectors, photovoltaic systems, biofuels, and energy from organic waste such as biomass, landfills and municipal solid waste, geothermal systems, and hydro-power. A project based on a renewable energy system is part of this course.

3 Credits

## Prerequisites

- Engr 321: Thermodynamics
- Engr 323: Fluid Mechanics
- Pre-Requisite: 24 Earned Hours

## Instruction Type(s)

• Lecture: Lecture for M E 406

## **Subject Areas**

<u>Mechanical Engineering</u>

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

