
SECTION HEADING

ELEC 2265: Alternative Energies

Description

Alternative Energies introduces traditional and alternative energy sources. This class will explore the basic principles of traditional energy with an emphasis on alternative energy. Students will develop a basic understanding of solar, biofuels, wind, geothermal and hydro energy sources.

Credits

3

Topics to be Covered

1. Gain a basic understanding of traditional energy sources.
2. Learn basic principles of alternative energy sources.
3. Have a general understanding of the use of traditional and alternative energy sources in the production of electricity.

Learning Outcomes

1. Describe advantages and limitations of different energy sources.
2. Explain stand-alone systems and utility interconnection.
3. Identify major components in the production of electricity.
4. Identify basic components of a solar, air, water, and electric systems.

Credit Details

Lecture: 2

Lab: 1

OJT: 0