

# ENGR 3335 : Thermodynamics

This course focuses on the concepts and applications of thermodynamics. The central objective of this course is to demonstrate the crucial role of thermodynamics in a modern industrialized society. The course concentrates on the following: conservation equations for mass, energy, and entropy in closed and open systems; applications of the first and second laws of thermodynamics to steady-state and transient problems; properties of fluids and equations of state; power generation and refrigeration cycles; chemical and phase equilibrium.

**Credits** 3

**Course ID**

001531

**Requisites**

PHYS/[ENGR 3335](#) Prerequisites: [CHEM 1342](#); [MATH 1432](#); [PHYS 2334](#)

**Semester Offered**

[Spring semester](#)