

## **Chemical Engineering 230: Introduction to Chemical Engineering Thermodynamics (3)**

### **Course Catalog Description:**

#### **ChE 230 Introduction to Chemical Engineering Thermodynamics (3)**

Introduction to the laws of thermodynamics, state functions, and their conceptual basis. Ideal systems, the gas law, Raoult's law, and deviations from ideal behavior (fugacity and activity). Introduction to the principles of statistical mechanics and quantum mechanics.

Prerequisites:

EF 102

Chem 130

Corequisite:

Math 142.

### **ABET Course Objectives:**

The department of Chemical Engineering has agreed that ChE 230 should meet the course objectives, posted at

<http://www.che.utk.edu/pages/ugrad/objective/230.html>