

# COURSE DETAIL

## THERMODYNAMICS

**Country**

Taiwan

**Host Institution**

National Taiwan University

**Program(s)**

National Taiwan University

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Mechanical Engineering

**UCEAP Course Number**

52

**UCEAP Course Suffix****UCEAP Official Title**

THERMODYNAMICS

**UCEAP Transcript Title**

THERMODYNAMICS

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course begins with introductory level coverage of basic principles of thermodynamics: conservation of mass, conservation of energy, the Second Law of thermodynamics, power cycles, refrigeration, thermodynamic relations, and gas mixtures. The applications to various areas of engineering are also discussed.

### Language(s) of Instruction

English

### Host Institution Course Number

ME2005

### Host Institution Course Title

THERMODYNAMICS

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Mechanical Engineering

[Print](#)