

## COURSE DETAIL

### THERMODYNAMICS

**Country**

Taiwan

**Host Institution**

National Taiwan University

**Program(s)**

National Taiwan University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Chemistry

**UCEAP Course Number**

130

**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 provides a rigorous presentation of thermodynamics principles, with emphases on the application of mathematical methods to the study of the spontaneity of processes, chemical reactions, and chemical energy. In addition to thermodynamics description of chemical equilibrium phenomena that form the basis of macroscopic chemical principles, connections between microscopic pictures (quantum mechanics and statistical mechanics) and bulk properties are highlighted.

## Language(s) of Instruction

### Host Institution Course Number

Chem3030

### Host Institution Course Title

PHYSICAL CHEMISTRY I - THERMODYNAMICS

### Host Institution Course Details

<http://ceiba.ntu.edu.tw/1071Chem3030>

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Chemistry

### Course Last Reviewed

2022-2023

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