

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

THERMODYNAMICS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Chemistry

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