

# COURSE DETAIL

## GRADUATE STATISTICAL MECHANICS

**Country**

Hong Kong

**Host Institution**

University of Hong Kong

**Program(s)**

University of Hong Kong

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Physics

**UCEAP Course Number**

175

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

GRADUATE STATISTICAL MECHANICS

**UCEAP Transcript Title**

GRAD STAT MECHANICS

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course examines advanced topics in equilibrium statistical physics. Topics include ensemble theory; theory of simple gases, ideal bose systems, ideal fermi systems; statistical mechanics of interacting systems; statistical field theory; and some topics in the theory of phase transition may be selected.

### Language(s) of Instruction

English

### Host Institution Course Number

PHYS7550

### Host Institution Course Title

GRADUATE STATISTICAL MECHANICS

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

[Print](#)