

# COURSE DETAIL

## GREAT IDEAS IN CHEMISTRY

**Country**

Hong Kong

**Host Institution**

Hong Kong University of Science and Technology (HKUST)

**Program(s)**

Hong Kong University of Science and Technology

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Chemistry

**UCEAP Course Number**

118

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

GREAT IDEAS IN CHEMISTRY

**UCEAP Transcript Title**

GREAT IDEAS IN CHEM

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## **Course Description**

The course covers major advances, historical developments and contemporary applications of critical concepts in Chemistry. These may range from atomic theory and identification and arrangement of the elements to modern problems such as CO<sub>2</sub> and global warming, pollution, and environmental clean-up. It focuses on the background to our knowledge, on what experimental evidence our current theories are based, and how old ones were overturned or modified. For science students in their third or fourth year of study under the four-year degree only. Other students with the prerequisites may seek instructor's approval for enrollment in the course.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

CHEM 3010

### **Host Institution Course Title**

GREAT IDEAS IN CHEMISTRY

### **Host Institution Course Details**

<https://prog-crs.hkust.edu.hk/ugcourse/2025-26/search?keyword=CHEM%203010>

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Chemistry

### **Course Last Reviewed**

2025-2026

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