

# COURSE DETAIL

## CHEMISTRY 1A

**Country**

Australia

**Host Institution**

University of Sydney

**Program(s)**

University of Sydney

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Chemistry

**UCEAP Course Number**

11

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

CHEMISTRY 1A

**UCEAP Transcript Title**

CHEMISTRY 1A

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## **Course Description**

This course examines skills in chemistry for application to life and medical sciences, engineering, and further study in chemistry. It covers nuclear and radiation chemistry, wave theory, atomic orbitals, spectroscopy, bonding, enthalpy and entropy, equilibrium, processes occurring in solutions, and the functional groups in carbon chemistry. Students develop experimental design, conduct and analysis skills in chemistry through experiments that ask and answer questions like how do dyes work, how do we desalinate water, how do we measure the acid content in foods, how do we get the blue in a blueprint, and how do we extract natural products from plants?

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

English

### **Host Institution Course Number**

CHEM1111

### **Host Institution Course Title**

CHEMISTRY 1A

### **Host Institution Course Details**

<https://www.sydney.edu.au/units/CHEM1111/2024-S2C-ND-CC>

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

### **Course Last Reviewed**

2024-2025

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