

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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