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

Print