

COURSE DETAIL

ORGANIC CHEMISTRY

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Chemistry

UCEAP Course Number

134

UCEAP Course Suffix

B

UCEAP Official Title

ORGANIC CHEMISTRY

UCEAP Transcript Title

ORGANIC CHEMISTRY

UCEAP Quarter Units

5.00

UCEAP Semester Units

Course Description

This course provides a solid foundation of organic chemistry. It focuses primarily on the basic principles to understand the structure and reactivity of organic molecules, with examples illustrating the role of organic chemistry in daily life and industry. Topics: chemistry of common organic functional groups: ketones and aldehydes; carboxylic acids and their derivatives; amines; aromatic compounds. Principles of organic synthesis. Detailed considerations of reaction mechanisms. Spectroscopic tools (UV-Vis, IR, NMR, and MS) for characterization and identification of organic compounds.

Language(s) of Instruction

English

Host Institution Course Number

CHEM3441

Host Institution Course Title

ORGANIC CHEMISTRY

Host Institution Campus

Science

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Chemistry

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