

COURSE DETAIL

CHEMICAL BIOLOGY

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

106

UCEAP Course Suffix**UCEAP Official Title**

CHEMICAL BIOLOGY

UCEAP Transcript Title

CHEMICAL BIOLOGY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course focuses on the interface between chemistry and biology with an emphasis on the identification, design, synthesis, and application of biologically active small molecules. Such small molecules may be used to study fundamental biological processes or they may be developed as therapeutic agents targeting specific diseases. Topics: forward and reverse chemical genetics, genetic engineering and *in vivo* drug synthesis, and novel methods of chemical library synthesis. Prerequisite: Biology, Organic Chemistry, Biochemistry. Assessment: midterm exam, final exam, in-class participation.

Language(s) of Instruction

English

Host Institution Course Number

BTE3608

Host Institution Course Title

CHEMICAL BIOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biotechnology

Course Last Reviewed

2025-2026

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