

COURSE DETAIL

CHEMICAL BIOLOGY

Country

China

Host Institution

Tsinghua University

Program(s)

Tsinghua University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Chemistry Biological Sciences

UCEAP Course Number

183

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

Chemical biology is an emerging scientific discipline that spans the fields of chemistry and biology. Chemical biology involves the use of chemical methods, tools, and molecules that are designed and made through synthetic organic chemistry, to study, understand, and manipulate biological systems. It attempts to use chemical principles to perturb or control biological systems to either investigate the mechanisms or create new functions. In the class we will review the chemical biology of small molecules, biomacromolecules, and concepts and techniques.

Language(s) of Instruction

English

Host Institution Course Number

40440283

Host Institution Course Title

CHEMICAL BIOLOGY

Host Institution Course Details

<https://learn.tsinghua.edu.cn/f/wlxt/index/course/student/course?wlkcid=2024-2025>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

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