COURSE DETAIL

CELL 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
115

UCEAP Course Suffix

UCEAP Official Title
CELL BIOLOGY

UCEAP Transcript Title
CELL BIOLOGY

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

This course focuses on topics related to the processes and functions carried out during the lifetime of a cell. Topics including the actin and microtubule cytoskeletons as well as molecular motor proteins and cell motility are covered in detail. We also focus on cell-cell communication, signal transduction and cell signaling in the context of unicellular and multicellular organisms. In addition, we spend time discussing the cell cycle with an emphasis on the regulation of transitions between cell cycle stages.

Each process covered in class plays a role in some important aspect of cell physiology and we touch on examples of defects in these systems that can lead to disease. Each topic includes discussions of experimental strategies and laboratory techniques.

Prerequisites: General Chemistry (at least 1 semester), General Biology (at least 1 semester), Biochemistry I

Language(s) of Instruction
English

Host Institution Course Number
LSB3203

Host Institution Course Title
CELL BIOLOGY

Host Institution Course Details
https://underwood1.yonsei.ac.kr/

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2025-2026

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