COURSE DETAIL

CELL BIOTECHNOLOGY

Country
Korea, South

Host Institution
Seoul National University

Program(s)
Seoul National University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Biological Sciences Bioengineering

UCEAP Course Number
149

UCEAP Course Suffix

UCEAP Official Title
CELL BIOTECHNOLOGY

UCEAP Transcript Title
CELL BIOTECHNOLOGY

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

This course provides an overview of cellular components, including their structure, function, and mechanism. Based on the knowledge of cell biology, the course looks at technologies used for cell culture, stem cell research, cancer research, and tissue engineering. The course also deals with the medical and industrial applications of cells. It provides a study of mammalian physiology and the engineering aspects of different physiological systems, focusing on a number of organ systems that may include cardiovascular, respiratory, and renal. Engineering principles that include biomechanical, bioelectrical, and biofluids are applied to physiological systems.

Language(s) of Instruction
English

Host Institution Course Number
M0000.006400

Host Institution Course Title
CELL BIOTECHNOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Chemical and Biological Engineering

Course Last Reviewed
2023-2024

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