

## COURSE DETAIL

### ADVANCED TOPICS IN BIOTECHNOLOGY

**Country**

Hong Kong

**Host Institution**

Hong Kong University of Science and Technology (HKUST)

**Program(s)**

Hong Kong University of Science and Technology

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Bioengineering

**UCEAP Course Number**

163

**UCEAP Course Suffix****UCEAP Official Title**

ADVANCED TOPICS IN BIOTECHNOLOGY

**UCEAP Transcript Title**

ADV TOPICS: BIOTECH

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

**Course Description**

This course examines principles and roles of various disciplines in biotechnology, including manipulation of various cell types, gene expression, immunochemistry, protein engineering, downstream processing, cell and enzyme immobilization, and fermentation. The course includes various case studies in the development and applications of biotechnology in areas such as medicine, agriculture and livestock, environment, biomass utilization, and basic research.

**Language(s) of Instruction**

English

**Host Institution Course Number**

LIFS4630

**Host Institution Course Title**

ADVANCED TOPICS IN BIOTECHNOLOGY

**Host Institution Campus**

HKUST, Science

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

Life Science

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