

COURSE DETAIL

BIO MATERIALS

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Bioengineering

UCEAP Course Number

117

UCEAP Course Suffix**UCEAP Official Title**

BIO MATERIALS

UCEAP Transcript Title

BIO MATERIALS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces the basics of bio-materials and applications. The bio-materials in this course cover proteins, enzymes, antibodies, and DNA recombinant technologies. The medical diagnosis, environmental monitoring, and biosensors are introduced as the applications of bio-materials. Topics include proteins, enzymes, electrochemistry, immunochemistry, chromatography, protein purification, DNA&RNA analysis, recombinant technology, biosensors. Text: Bettelheim et al., INTRODUCTION TO ORGANIC AND BIOCHEMISTRY.

Language(s) of Instruction

English

Host Institution Course Number

MST4570

Host Institution Course Title

BIO MATERIALS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Material Science & Engineering

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