

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 Course Details**Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

Material Science & Engineering

Course Last Reviewed

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