

# COURSE DETAIL

## BIOCHEMISTRY I

**Country**

Korea, South

**Host Institution**

Yonsei University

**Program(s)**

Seoul Summer, Yonsei University Summer

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences Biochemistry

**UCEAP Course Number**

101

**UCEAP Course Suffix**

AS

**UCEAP Official Title**

BIOCHEMISTRY I

**UCEAP Transcript Title**

BIOCHEMISTRY I

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

### **Course Description**

This course provides a foundation of the principles and mechanisms of biochemical reactions in living organisms, with specific focus on the major classes of biomolecules. Topics include water; amino acids, peptides, and proteins; the three-dimensional structure of proteins; protein function; enzymes; carbohydrates; nucleotides and nucleic acids; lipids; DNA-based information technologies; biological membranes and transport; biosignaling. Text: D. L. Nelson and M. M. Cox. Lehninger, PRINCIPLES OF BIOCHEMISTRY. Assessment: quiz (20%), midterm (50%), final exam (30%).

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

LSB3101

### **Host Institution Course Title**

BIOCHEMISTRY (1)

### **Host Institution Campus**

Yonsei International Summer School

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Science & Technology

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