

# COURSE DETAIL

## FACULTY SEMINARS OF MODERN BIOLOGICAL SCIENCE AND RESEARCH

**Country**

Korea, South

**Host Institution**

Yonsei University

**Program(s)**

Yonsei University

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Biological Sciences

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

FACULTY SEMINARS OF MODERN BIOLOGICAL SCIENCE AND RESEARCH

**UCEAP Transcript Title**

MODERN BIO SCIENCE

**UCEAP Quarter Units**

3.00

**UCEAP Semester Units**

2.00

## Course Description

This course introduces basic and important key concepts and future trends of current life and biological science. In addition, the course reviews modern research trends related to the research interests of department faculties. Topics include: plant functional genomics using virus-induced gene silencing; genome dynamics and evolution of Escherichia coli; plant-specific lethal genes involved in chloroplast development; proteomic approaches to identify multiple target molecules associated with neurodegeneration; identification of immune regulators; principles and applications of plant biotechnology; the mechanism of cytokinesis; cell fate specification in the Arabidopsis root epidermis; Drosophila as a genetic model for human diseases; monoclonal antibodies as anticancer drugs; new insights of O-GlcNAc biology; epigenetic regulation of chromatin dynamics, and focusing on the genetics aspects of Down Syndrome and Parkinson Disease.

## Language(s) of Instruction

English

## Host Institution Course Number

BIO2503

## Host Institution Course Title

FACULTY SEMINARS OF MODERN BIOLOGICAL SCIENCE AND RESEARCH

## Host Institution Course Details

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Biology

## Course Last Reviewed

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