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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