

COURSE DETAIL

GENETICS

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

119

UCEAP Course Suffix**UCEAP Official Title**

GENETICS

UCEAP Transcript Title

GENETICS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course is intended to introduce the overall aspects of genetics including formal genetics, molecular genetics, population genetics and genomics largely to undergraduate students who is majoring in basic and applied life sciences. Topics include Mendelian inheritance overview, Extensions of Mendelian inheritance, Linkage and genetic mapping in eukaryotes, Genetics of bacteria and bacteriophages, Nonmendelian inheritance, Chromatin structure and function, Recombination and transposition, Gene mutation and DNA repair, Variation in chromosome structure and number, Population genetics, Quantitative genetics, and Evolutionary genetics.

Prerequisites: General Biology I & II

Language(s) of Instruction

Korean

Host Institution Course Number

BIO3119

Host Institution Course Title

GENETICS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biology

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