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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biology

Course Last Reviewed
2023-2024

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