

## 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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