COURSE DETAIL

GENOMICS
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 113
UCEAP Course Suffix
UCEAP Official Title GENOMICS
UCEAP Transcript Title GENOMICS
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

Recent advances in genomics have significantly revolutionized the ways which we do science in the 21st century. With the completion of the human genome, the new genome technologies have transformed our ability to understand the structure and function of genomes and to explore the genomes of multicellular organisms. This course is designed to introduce undergraduate students, who are interested in this exciting and rapidly evolving field, the basic knowledge of genome and the state-of-the-art genome technologies. The lectures will cover an introduction on genome projects, sequencing technologies, genetic variation, transcriptomics, proteomics, functional genomics, comparative genomics, metagenomics and epigenomics.

Language(s) of Instruction
English

Host Institution Course Number
LS5080

Host Institution Course Title
GENOMICS

Host Institution Course Details
http://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=B21%20U2240&cl...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Life Science

Course Last Reviewed
2022-2023

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