COURSE DETAIL

MOLECULAR EVOLUTION
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 114
UCEAP Course Suffix
UCEAP Official Title MOLECULAR EVOLUTION
UCEAP Transcript Title MOLECULAR EVOLUTION
UCEAP Quarter Units 3.00
UCEAP Semester Units 2.00

Course Description

This course introduces the fundamentals and methodology on research of molecular evolution. Topics: evolutionary changes and patterns of sequences, methods for phylogenetic analyses, and inferring sites under positive selection. The course also examines recent advances of molecular evolution studies on phylogenomics, horizontal gene transfer, and genome evolution. Recommended prerequisites include evolution, genetics or equivalent subjects. Laboratory practices are offered to provide familiarity with data retrieving and analyses. Homework assignments are distributed weekly, which require substantial extra work time.

Language(s) of Instruction
English

Host Institution Course Number
EEB5048

Host Institution Course Title
MOLECULAR EVOLUTION

Host Institution Course Details
https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=B44%20U1600&c...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Ecology and Evolutionary Biology

Course Last Reviewed
2022-2023

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