COURSE DETAIL

SYSTEMATICS AND PHYLOGENETICS
Country Hong Kong
Host Institution University of Hong Kong
Program(s) University of Hong Kong
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 129
UCEAP Course Suffix
UCEAP Official Title SYSTEMATICS AND PHYLOGENETICS
UCEAP Transcript Title SYSTEM& PHYLOGENETI
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course examines the principles of systematics and phylogenetics and an appreciation of current trends and controversies. Current classification theories: phenetic systematics (classifications based on overall resemblances) and cladistics (evolutionary reconstruction). The species concept. Sources of taxonomic data: morphology & anatomy, biochemistry, chemistry, molecular biology, biogeography and ethology. Causes of taxonomic complexity: environmental factors; hybridization; breeding systems. Principles of nomenclature.

Language(s) of Instruction
English

Host Institution Course Number
BIOL3302

Host Institution Course Title
SYSTEMATICS AND PHYLOGENETICS

Host Institution Course Details
https://webapp.science.hku.hk/sr4/servlet/enquiry?Type=Course&course_code=BIOL3...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

Print