

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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

[Print](#)