COURSE DETAIL

EVOLUTIONARY BIOLOGY
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 126
UCEAP Course Suffix
UCEAP Official Title EVOLUTIONARY BIOLOGY
UCEAP Transcript Title EVOLUTIONARY BIOL
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description
This course introduces the major themes of contemporary evolutionary biology, including the history of evolutionary biology, evolutionary processes, adaptation, speciation, and evolution as an explanatory framework at all levels of biological organization. The course emphasizes the interplay between theory and empirical tests of hypotheses, thus examining the process of science. Course topics include: introduction to evolutionary biology; the tree of life; patterns of evolution; biogeography; evolution of biodiversity; mechanisms of evolution (natural selection, mutation, genetic drift); phenotypic evolution; social interactions in evolution (sex, kinship, co-evolution); species and speciation; evolution of genes and genomes; evolutionary development; and macroevolution.

Language(s) of Instruction
English

Host Institution Course Number
BIOL3506

Host Institution Course Title
EVOLUTIONARY BIOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biological Sciences

Course Last Reviewed

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