COURSE DETAIL

EVOLUTIONARY ECOLOGY
Country Denmark
Host Institution University of Copenhagen
Program(s) University of Copenhagen
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 125
UCEAP Course Suffix
UCEAP Official Title EVOLUTIONARY ECOLOGY
UCEAP Transcript Title EVOLUTIONARY ECOLGY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course offers an understanding of life-history adaptations, their ecological context, genetic variation, and evolution. It provides a detailed perception of biological adaptation through natural and sexual selection, the different levels of selection (genes, individuals, and social groups) and the strength of these forces in shaping life-history adaptations. The course integrates ecological and evolutionary approaches. Topics include mating systems and sexual selection; decision making and the evolution of communication; life histories in animals and microbes; life history traits: genetic variation and phenotypic plasticity; mutualistic interactions and their evolutionary stability; social evolution: cooperation and conflict; and parasite-host interactions.

Language(s) of Instruction
English

Host Institution Course Number
NBIK14021U

Host Institution Course Title
EVOLUTIONARY ECOLOGY

Host Institution Course Details
https://kurser.ku.dk/course/nbik14021u/2024-2025

Host Institution Campus

Host Institution Faculty
Science

Host Institution Degree
Master

Host Institution Department
Biology

Course Last Reviewed

2024-2025

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