COURSE DETAIL

PLANT ANIMAL INTERACTIONS: AN EVOLUTIONARY APPROACH
Country Denmark
Host Institution University of Copenhagen
Program(s) University of Copenhagen
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies Biological Sciences
UCEAP Course Number 111
UCEAP Course Suffix
UCEAP Official Title PLANT ANIMAL INTERACTIONS: AN EVOLUTIONARY APPROACH
UCEAP Transcript Title PLANT ANML INTERACT
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course provides a survey of the role of plant-animal interactions in the evolution of biodiversity. It covers various subjects from an evolutionary approach and uses examples from recent and ongoing research. Topics include antagonistic and mutualistic types of plant-animal interactions; generalization versus specialization; evolutionary approaches to study plant-animal interaction, including understanding phylogenies; herbivory and grazing from both a plant and animal perspective; pollination ecology, especially plant-insect interactions; attractants and rewards; seed predation and dispersal; plant protection; arms race and co-evolution; physical and chemical plant defenses; plant-plant and other interactions; grazer-algae interactions in the marine environment; and community-level interactions including plants as habitat and food webs. The course consists of lectures and small in class exercises, hands-on activities, visits to the botanic gardens, and literature-based discussions. Training in scientific writing and oral and written communication skills is provided through workshops, journal clubs, an essay and an oral presentation. Students choose a plant-animal interaction and write an individual essay in the form of a scientific article (in review form) using primary literature.

Language(s) of Instruction
English

Host Institution Course Number
NNMB22000U

Host Institution Course Title
PLANT ANIMAL INTERACTIONS - AN EVOLUTIONARY APPROACH

Host Institution Course Details
https://kurser.ku.dk/course/nnmb22000u/2022-2023

Host Institution Campus

Host Institution Faculty
Faculty of Science

Host Institution Degree
Bachelor

Host Institution Department
Biology

Course Last Reviewed
2022-2023

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