

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

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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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