

## 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 Campus

## Host Institution Faculty

Faculty of Science

## Host Institution Degree

Bachelor

**Host Institution Department**

Biology

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