

## COURSE DETAIL

### PALEONTOLOGY - FLORA

**Country**

Netherlands

**Host Institution**

Utrecht University

**Program(s)**

Utrecht University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Earth & Space Sciences

**UCEAP Course Number**

103

**UCEAP Course Suffix****UCEAP Official Title**

PALEONTOLOGY - FLORA

**UCEAP Transcript Title**

PALEONTOLOGY FLORA

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course offers a broad overview on the fossil record of plants with special emphasis on evolution and biodiversity changes since the Palaeozoic. In this course basic principles of plant evolution from the Palaeozoic to present-day are discussed. The major steps of terrestrialization are placed into a comprehensive overview on feedbacks between large-scale geosphere processes such as plate tectonics, atmosphere-biosphere interactions, and the global carbon cycle through time. The second goal is to critically reflect on natural dynamics of biodiversity versus modern biodiversity loss, the human induced “mass-extinction” of the 21st century. The course includes assignments such as rock and fossil labs, computer aided labs, and a one day practical held in the botanical garden.

## Language(s) of Instruction

English

## Host Institution Course Number

GEO2-4212

## Host Institution Course Title

PALEONTOLOGY - FLORA

## Host Institution Campus

## Host Institution Faculty

Geosciences

## Host Institution Degree

## Host Institution Department

Earth Sciences

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