

COURSE DETAIL

CHEMICAL ECOLOGY

Country

Netherlands

Host Institution

Maastricht University - Center for European Studies

Program(s)

Biological and Life Sciences, Maastricht

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Chemistry Biological Sciences

UCEAP Course Number

133

UCEAP Course Suffix**UCEAP Official Title**

CHEMICAL ECOLOGY

UCEAP Transcript Title

CHEMICAL ECOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

Chemical ecology is the study of how chemicals, called semiochemicals, mediate interactions within and between species. Such interactions are very diverse, including, within species, mating, intraspecific competition, social status and foraging and, between species, predation and parasitism, defense and mutualisms such as pollination. This course examines how the different semiochemicals originate and how they are used and detected by organisms. Examine how chemists and biologists study these interactions and how some of these interactions can be used to assist humans, by manipulating organisms in the nature. Students are encouraged to develop their own interests, and the course is not limited to one particular organismic group. Both biologists and chemists are encouraged to join the course. Pre-requisites include BIO2001 Cell Biology and CHE2001 Organic Chemistry.

Language(s) of Instruction

English

Host Institution Course Number

INT3009

Host Institution Course Title

CHEMICAL ECOLOGY

Host Institution Course Details

<https://www.maastrichtuniversity.nl/sites/default/files/2026-03/MSP%20-%20Cours...>

Host Institution Campus

Maastricht University

Host Institution Faculty

Maastricht Science Program

Host Institution Degree

Host Institution Department

Center for European Studies

Course Last Reviewed

2026-2027

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