

Landscape Ecology (1002896)

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

Course size	<i>(nominal values; actual values may depend on programme)</i>		
Credits 6.0	Study time 180 h	Contact hrs	56.0 h

Course offerings in academic year 2022-2023

A (semester 1)	English	Gent
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Lecturers in academic year 2022-2023

Sauer, Daniela	GOTTIN01	lecturer-in-charge
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Offered in the following programmes in 2022-2023

	crdts	offering
International Master of Science in Soils and Global Change (main subject Soil Biogeochemistry and Global Change)	6	A

Teaching languages

English

Keywords

Soils / Relief / Microclimate

Position of the course

Mandatory course in the third semester

Contents

Components:

- 1 Landscape-ecological methods: lecture, 7 x 90 min.
- 2 Landscape-ecological theory: lecture, 7 x 90 min.
- 3 Landscape-ecological project (seminar with project-type components to be carried out in small teams, including measurements in the field): After a first visit to the study area, the students form small groups that develop their own hypotheses on relationships between relief, microclimate and soils in the study area, based on the general information provided in the lecture. In a next step, the groups develop a design to test their hypotheses in the field. In the end, each group prepares a poster on the outcomes of its work, and presents its findings to the other groups.

Initial competences

Basic knowledge on soils

Final competences

- 1 The students are able to generate hypotheses on the mutual relationships relief-soils-microclimate, to develop appropriate strategies for testing their hypotheses and to apply them in practice.
- 2 They are familiar with assessing soil properties and soil distribution patterns in landscapes, and with the measurement of microclimatic parameters.
- 3 The students have the competency to work on a research question in small international, culturally diverse teams, in a creative and outcome-oriented way. Thereby, they appreciate diverse cultural backgrounds and different approaches to handle a task. They are able to reflect on these in a constructive way and to jointly develop strategies for solving their research questions.

Conditions for credit contract

This course unit cannot be taken via a credit contract

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Guided self-study, demonstration, group work, lecture, project, fieldwork, seminar, self-reliant study activities, research project

Learning materials and price

No additional costs apply.

References**Course content-related study coaching****Evaluation methods**

continuous assessment

Examination methods in case of periodic evaluation during the first examination period**Examination methods in case of periodic evaluation during the second examination period****Examination methods in case of permanent evaluation**

Written examination, oral examination

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

Extra information on the examination methods

Preparation of a poster and presentation of the outcomes of the own work

Calculation of the examination mark

Quality of the poster: two thirds, oral presentation: one third

Students who eschew period aligned and/or non-period aligned evaluations for this course unit may be failed by the examiner.