

Course Specifications

Valid in the academic year 2022-2023

Landscape Ecology (1002896)

Course size	(nominal values; actual values may depend on programme)				
Credits 6.0	Study time 180 h	Contact hrs	56.0h		
Course offerings in acad	emic year 2022-2023				
A (semester 1)	English	Gent			
Lecturers in academic ye	ear 2022-2023				
Sauer, Daniela GOTTINO			FINO1 lecturer-in-	lecturer-in-charge	
Offered in the following programmes in 2022-2023				offering	
International Master of Science in Soils and Global Change (main subject Soil Biogeochemistry and Global Change)				А	
Teaching languages					
English					
Keywords					
Soils / Relief / Micro	climate				
Position of the course					
Mandatory course i	n the third semester				
Contents					
Components: 1 Landscape-ecolog 2 Landscape-ecolo 3 Landscape-ecolo carried out in sma to the study area, hypotheses on re area, based on th	gical methods: lecture, 7 x 90 min. gical theory: lecture, 7 x 90 min. gical project (seminar with project all teams, including measurements the students form small groups th lationships between relief, microcli e general information provided in t	-type components to be in the field): After a first visi iat develop their own imate and soils in the study :he lecture. In a next step.	t		

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 reliefsoils-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

Demonstration, Group work, Guided self-study, Seminar, Lecture, Self-reliant study activities, Project, Research project, Fieldwork

Learning materials and price

No additional costs apply.

References

Course content-related study coaching

Assessment moments

continuous assessment

Examination methods in case of periodic assessment during the first examination period

Examination methods in case of periodic assessment during the second examination period

Examination methods in case of permanent assessment

Written examination, Oral examination

Possibilities of retake in case of permanent assessment

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.