

Soil Protection (I002473)

Course size *(nominal values; actual values may depend on programme)*

Credits 3.0 **Study time** 90 h **Contact hrs** 30.0h

Course offerings in academic year 2022-2023

A (semester 2) English Gent

Lecturers in academic year 2022-2023

Wenzel, Walter WIEN03 lecturer-in-charge

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)	3	A

Teaching languages

English

Keywords

Position of the course

Overall aim: Provide an overview on major problems of soil protection and sustainable land use at global, European and national (Austrian) level.

Objectives:

- make you familiar with the main soil threats at global, european and national level
- make you familiar with (sources of) information on the current state of soil
- give you an appreciation of instruments of soil protection and their application to specific problems
- encourage critical evaluation and challenging of current concepts of soil protection
- provide guidance for informed use of soil information and decision making
- enable you to develop possible solutions for better protection of soil

Contents

- Introduction
- Global issues and drivers of soil loss and degradation (theory / lecture)
- Major soil threats at global, European and national level (theory / lecture)
- Case studies covering different aspects of soil degradation and soil management (blended learning component: homework, peer review workshop; final presentations and discussion in the class room)

Initial competences

Fundamentals of soil science

Final competences

- Know and comprehend fundamental soil threats
- Recall the main soil threats
- Know about major drivers and causes of soil degradation
- Put them into context of natural, societal and economic conditions
- Rank their relative importance at national, European and global level
- Know about the state of soil (degradation)
- Recall major pattern of soil degradation at national and European scale
- Know about sources of soil information and their application
- Recall important sources of soil information in Austria, Europe and at global level
- Make informed use of soil information

- Know about instruments / measures of soil protection
- Apply your knowledge to a case study

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

Group work, Seminar, Lecture

Learning materials and price

The course materials will be made available during the semester through BOKULearn.

References

Course content-related study coaching

Assessment moments

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

Oral examination, Written examination with multiple choice questions, Written examination with open questions

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

Oral examination, Written examination with multiple choice questions, Written examination with open questions

Examination methods in case of permanent assessment

Report, Participation, Peer assessment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible

Extra information on the examination methods

Written and oral

The overall grade is composed of the following components:

Written exam (multiple & single choice) 40 %

Homework - Case Study (written) 40 %

Participation in the Peer Review Workshop 10 %

Presentation of Case Study 10 %

Calculation of the examination mark