

Soil protection (1002473)

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 (nominal values; actual values may depend on programme)
Credits 3.0 Study time 90 h Contact hrs 30.0 h

Course offerings in academic year 2020-2021

A (semester 2) English Gent

Lecturers in academic year 2020-2021

Wenzel, Walter WIEN03 lecturer-in-charge

Offered in the following programmes in 2020-2021	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, lecture, seminar

Learning materials and price

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

References

Course content-related study coaching

Evaluation methods

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

Written examination with open questions, written examination with multiple choice questions, oral examination

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

Written examination with open questions, written examination with multiple choice questions, oral examination

Examination methods in case of permanent evaluation

Participation, peer assessment, report

Possibilities of retake in case of permanent evaluation

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