



The summer school builds on certain learning outcomes of course units soil evolution under global change, soil physics, soil chemistry, soil biology, applied statistics, and land information systems; these are part of the first semester programme of IMSOGL0. Participation to these courses is a prerequisite.

### **Final competences**

- 1 Students have a basic understanding of sustainable land management practices, in a context of agro-ecology and organic farming, rewetting of drained peatland, grass biomass production or forest management (depending on where the summer school is organized)
- 2 Students understand how healthy soils contribute to UN Sustainable Development Goals and the EU's Green Deal targets, EU's Soil Mission, delivering ecosystem services, and planetary boundaries
- 3 Students are able to evaluate sustainable management practices in relation to the UN Sustainable Development Goals and the EU's Green Deal objectives thus addressing "wicked" problems with contradicting, conflicting and sometimes even changing requirements
- 4 Students are able to directly interact with stakeholders and co-create scientific-sound solutions to societal challenges
- 5 Students are proficient in soil testing, soil health assessment, and the implementation of soil improvement strategies for sustainable land management
- 6 Students are able to communicate concepts of sustainable land management and research findings to diverse audiences, including peers, stakeholders, and the general public
- 7 Students have the capacity for self-reflection, continuous learning, and ongoing improvement of sustainable land management practices
- 8 Students develop leadership qualities to drive positive change in the field of sustainable land management, whether through advocacy, research, or practical applications
- 9 Students develop commitment to stewarding the land and natural resources (our natural capital) in a sustainable and responsible manner, prioritizing long-term ecological health

### **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, Excursion, Lecture

### **Extra information on the teaching methods**

After plenary lectures, exercises are introduced; these must be done individually or in small student groups and have to be presented by the students. Feedback is provided during the summer school week.

### **Study material**

Type: Slides

Name: Slides

Indicative price: € 10

Optional: no

### **References**

### **Course content-related study coaching**

Instructors (teaching staff and experts) are available for questions and further guidance during the Summer School.

### **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**

Professional practice, Presentation, Assignment

**Possibilities of retake in case of permanent assessment**

examination during the second examination period is possible in modified form

**Extra information on the examination methods**

Students present their results during the summer school to peers, lecturers, experts, stakeholders and alumni. These receive feedback and are being evaluated during the summer school.

**Calculation of the examination mark**

Students who eschew period aligned and/or non-period aligned evaluations for this course unit (or do not participate to the exercises) may be failed by the examiner.