

Course Specifications

From the academic year 2021-2022 up to and including the academic year

Soil Fertility and Soil Ecology in Organic Agriculture (1002483)

Course size Credits 3.0	(nominal values; actual values may Study time 90 h	Contact hrs	30.0h	
Course offerings in acad				
A (semester 2)	English	Gent		
Lecturers in academic y	ear 2022-2023			
Friedel, Jürgen Kurt WIEN03			lecturer-in-c	charge
Offered in the following programmes in 2022-2023			crdts	offering
	er of Science in Soils and Global Chan Ind Global Change)	ge (main subject Soil	3	A
Teaching languages				
English				
Keywords				
	soil structure, pH value, soil organic m ar mycorrhiza, biological nitrogen fixa on			
Position of the course				
Contents				
farming Effects of organic f Selected componer Exercise and practi	ertility: Definition and components, sign farming on the soils: Results of compa nts of soil fertility and assessment me ce: Practice in field, application of me probalby be substituted by video tutor	rative experiments thods thods, protocol		
Initial competences				
no previous knowle	edge expected			
Final competences				
farming - Understand how - List and apply me - Understand depe - Understand intera	ourse can ints of soil fertility ("soil functions") th they are affected by soil management withods to assess these functions ndence of soil processes on soil prope actions between soil minerals, soil org ck loops, soil food web, "microbial loo	rties ganic matter, soil organisms		
mobilisation" by pl - Deduce site-speci		soil functions		
Conditions for credit co	ntract			
This course unit ca	nnot be taken via a credit contract			
Conditions for exam cor	ntract			
This course unit ca	nnot be taken via an exam contract			

This course unit cannot be taken via an exam contract

Teaching methods

Lecture: plenary exercises, Excursion, Lecture

Extra information on the teaching methods

expected from students: - attending seminar and field part, - commitment, - writing a protocol. Service from the teachers: - collection of sheets and reference list are available on BOKUlearn - supervision during the field training and exercise part.

Learning materials and price

References

Sheets and a Reference list are accessible on BOKUlearn.

Course content-related study coaching

Assessment moments

end-of-term and continuous assessment

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

Oral examination

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

Oral examination

Examination methods in case of permanent assessment

Participation, Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible

Extra information on the examination methods

Exams after the excursion and field training and sending the protocolls. Prerequisite is the participation in the field excursion and exercise with submission of a protocol.

Calculation of the examination mark