

Plant Nutrition and Plant Health (I002492)

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 1) English Gent

Lecturers in academic year 2022-2023

Dittert, Klaus GOTTIN01 lecturer-in-charge
Pawelzik, Elke GOTTIN01 co-lecturer

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

Contents

Nutrient uptake and transport in the plant; function of different nutrients in the plant especially with respect to plant health; mechanisms to increase nutrient efficiency and availability; characteristics of plant health, relation between plant nutrition and plant health; effect of nutrient imbalances on plant metabolism and production of plant harvest products and processing quality.

Initial competences

Final competences

- 1 Understanding of the relations between plant nutrition and plant health and their significance in the value-added chain.
- 2 Students will be able to present the presented topics in their context: development of nutritional and processing quality in different crop plants; quality requirements and ways of realization by crop production methods.

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

Lecture

Learning materials and price

References

Course content-related study coaching

Assessment moments

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

Written examination, Oral examination

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

Written examination, Oral examination

Examination methods in case of permanent assessment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible

Calculation of the examination mark