GHENT UNIVERSITY

Course Specifications

Valid as from the academic year 2024-2025

Management of Tropical Plant Production Systems (I002489)

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

Credits 6.0 **Study time 180 h**

Course offerings in academic year 2026-2027

A (semester 1) English Gent

Lecturers in academic year 2026-2027

Rötter, Reimund	GOTTIN01	lecturer-in-charge

Offered in the following programmes in 2026-2027	**crdts**	**offering**
International Master of Science in Soils and Global Change (main subject Soil-Plant System Processes and Global Change)	6	A

Teaching languages

English

Keywords

Position of the course

Contents

Presentation of the most important crops with respect to: botany, morphology, origin, climatic and ecological requirements, crop production, harvest procedure, significance in
local farming systems, utilization as food, feed, raw materials and as bioenergy source.
Discussion of specific cropping systems in the tropics and subtropics and specific management systems for the sustainable improvement of productivity.
Knowledge of botanical, ecological and agronomic facts of presented crops and cropping systems.

Initial competences

Basic knowledge on plant production (BSc-level)

Final competences

The students should be able to classify crops and cropping systems in relation to site conditions and undertake system-orientated evaluation of sustainable production.

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

Study material

None

References

Rehm, S., Espig, G. 1991: The Cultivated Plants of the Tropics and Subtropics.
Verlag Josef Margraf. Weikersheim, Germany

Course content-related study coaching

Assessment moments

end-of-term assessment

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

Written assessment

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

Oral assessment

Examination methods in case of permanent assessment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible

Extra information on the examination methods

Examination prerequisites: Crops and production systems in the tropics
Examination requirements: Knowledge of botanical, ecological and agronomic facts of the presented crops and cropping systems. Knowledge of the assignment of crops and cropping systems to different site conditions, as well as system-oriented evaluation of sustainable production at selected sites.

Calculation of the examination mark