

Horticultural Crops (I700120)

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

Credits 4.0 **Study time 120 h**

Course offerings and teaching methods in academic year 2024-2025

A (semester 2)	Dutch	Gent	lecture
			excursion
			practical

Lecturers in academic year 2024-2025

Werbrouck, Stefaan	LA21	lecturer-in-charge
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Offered in the following programmes in 2024-2025	crdts	offering
Bachelor of Science in Bioscience Engineering Technology	4	A
Preparatory Course Master of Science in Bioscience Engineering Technology: Agriculture and Horticulture (main subject Horticulture)	4	A

Teaching languages

Dutch

Keywords

Horticulture, ornamental, vegetable, grafting, cutting

Position of the course

This course is an introduction to a number of edible and non edible horticulture crops and their generative and vegetative propagation techniques.

Contents

THEORY

- Crop science:
Overview of main crops: scientific name, botanical features, specific physiology, culture, plant diseases and end products
- Propagation:
generative propagation techniques (seed morphology, physiology and technology). and vegetative propagation (cutting and grafting)
- Plant chimeras
- Types, origin, possibilities, problems
- Vegetables: introduction
- Trees: recognizing and naming

EXERCICES: Sowing, cutting, grafting of ornamentals and vegetables, observation of growth and development in fytotron.

EXCURSION: Modern companies specialised in sowing, cutting or grafting

Initial competences

Sucessfully acquired: Botany, Plant Physiology, Genetics, Biochemistry

Final competences

- 1 KNOWLEDGE & INSIGHT:** To define horticultural terminology
- 2 KNOWLEDGE & INSIGHT:** To use a correct scientific plant nomenclature
- 3 KNOWLEDGE & INSIGHT:** To evaluate pro en contras of generative and vegetative multiplication
- 4 KNOWLEDGE & INSIGHT:** To recognize vegetables and to discuss basic features and culture
- 5 KNOWLEDGE & INSIGHT:** To recognize and name trees

6 KNOWLEDGE & INSIGHT: to have insight in plant chimeras

7 SKILLS: To be able to sow, propagate by cuttings and graft plants

8 SKILLS: To critically evaluate classical propagation techniques

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Excursion, Lecture, Practical

Study material

Type: Syllabus

Name: Horticulture

Indicative price: € 20

Optional: no

Language : Dutch

Number of Pages : 112

Available on Ufora : Yes

Online Available : Yes

Available in the Library : No

Available through Student Association : No

Additional information: student prints by himself

References

Course content-related study coaching

Possibility for questioning during lessons and after appointment, guidance and coaching during exercises.

Assessment moments

end-of-term and continuous assessment

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

Oral assessment

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

Oral assessment

Examination methods in case of permanent assessment

Participation

Possibilities of retake in case of permanent assessment

examination during the second examination period is not possible

Extra information on the examination methods

Theory: oral examination with written preparation

exercises: report of exercises and company visits

Calculation of the examination mark

theory 80%, Reports visits 10%, Report exercises 10%