

## 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

### Offered in the following programmes in 2024-2025

[Bachelor of Science in Bioscience Engineering Technology](#)

**crdts**

**offering**

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

**Successfully 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 excercises.

#### **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

exercices: report of exercices and company visits

#### **Calculation of the examination mark**

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