

Glasshouse Floriculture (I700255)

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

Credits 3.0 **Study time 90 h**

Course offerings in academic year 2024-2025

A (semester 1) Dutch Gent

Lecturers in academic year 2024-2025

Werbrouck, Stefaan LA21 lecturer-in-charge

Offered in the following programmes in 2024-2025

Master of Science in Bioscience Engineering Technology: Agriculture and Horticulture (main subject Horticulture)	3	A
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Teaching languages

Dutch

Keywords

Floriculture

Position of the course

This unique course provides knowledge and insight in greenhouse floriculture, a billion euro industry that provides esthetic pleasure to the consumer

Contents

A number of ornamentals such as azalea, roses, carnation, orchids, anthurium, alstroemeria, gerbera, chrysanthemum, bromeliads are studied in detail. Origin, relevant botanical features, genetic variation and diseases are discussed, as well as detailed cultural practices (propagation, flowering control, substrate, harvest...) and marketing.

During visits at flower growers, auctions and plant breeders, the students get acquainted with practice

Initial competences

Greenhouse Floriculture builds on certain competences of Botany, Genetics, Biochemistry, Plant Physiology and Horticulture. Or on these competences acquired in another way.

Final competences

- 1 **KNOWLEDGE & INSIGHT:** To define floriculture terminology
- 2 **KNOWLEDGE & INSIGHT:** To relate the origin of a plant species with the relevant physiology
- 3 **KNOWLEDGE & INSIGHT:** To relate plant physiology with technical interventions
- 4 **KNOWLEDGE & INSIGHT:** To discuss production chain of cut flowers and pot plants
- 5 **KNOWLEDGE & INSIGHT:** To propose combinations of culture techniques for new ornamental crops
- 6 **KNOWLEDGE & INSIGHT:** List the most important diseases and plagues
- 7 **SKILLS:** To critically approach technical intervention during culture
- 8 **SKILLS:** Develop a protocol and methods for optimizing horticultural production processes
- 9 **ATTITUDES:** To assess work packages of the flower grower
- 10 **ATTITUDES:** To appreciate the enormous genetic gain realized by ages of plant breeding

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, Independent work, Peer teaching

Extra information on the teaching methods

excursion to modern flower growers: chrysanthemum, azalea, cacti, Anthurium, Phalaenopsis, etc.

micro-teaching: discuss an ornamental crop not covered in the course

project: group work on innovative horticulture, concluded by presentation

Study material

Type: Syllabus

Name: Floriculture under glass

Indicative price: € 20

Optional: no

Language : Dutch

Number of Pages : 130

Available on Ufora : Yes

Online Available : Yes

Available in the Library : No

Available through Student Association : No

Additional information: the student(s) print the syllabus themselves

References**Course content-related study coaching**

Possibility for questioning during lessons and after appointment

Assessment moments

end-of-term and continuous assessment

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

Oral assessment, Assignment

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

Oral assessment

Examination methods in case of permanent assessment

Peer and/or self assessment, Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is not possible

Extra information on the examination methods

Oral examination with written preparation: 4 random questions are drawn

report of company visit

microteaching: peer assesment

Calculation of the examination mark

Oral examination: 12 points

Report Project: 4 points

Report Company visit: 2 points

microteaching: 2 points