Course Specifications
Valid as from the academic year 2016-2017

Course size
Credits 5.0
Study time 135 h
Contact hrs 60.0 h

Course offerings and teaching methods in academic year 2018-2019
A (semester 1) Dutch lecture 23.75 h practicum 30.0 h guided self-study 6.25 h

Lecturers in academic year 2018-2019
De Cauwer, Benny LA21 lecturer-in-charge
Reheul, Dirk LA21 co-lecturer
Van Damme, Patrick LA21 co-lecturer
Van Labeke, Marie-Christine LA21 co-lecturer

Offered in the following programmes in 2018-2019
Master of Science in Bioscience Engineering: Agricultural Sciences 5 A

Teaching languages
Dutch

Keywords
Grasses (forage and amenity), potato, tomato, azalea, rice, banana

Position of the course
The goal is to give an insight in the major aspects of the cultivation of several crops, selected as representatives of the main crop classes (agricultural and horticultural; temperate and tropical; gramineous, tuber and fodder crops). Practicals, consisting of “hands on” activities as well as excursions complementary to the theory, underline the variation among the crops.

Contents
1. Forage and amenity grasses
Husbandry, management and uses
2. Temperate cash crops: potato
3. Horticultural crops
3.1. Greenhouse crops: tomato and strawberry
3.2. Ornamentals: azalea
4. Tropical crops
4.1. Annuals: rice (Oryza spp.)
4.2. Perennials: banana (Musa spp.)

Initial competences
Plant Husbandry builds on certain learning outcomes of course units Botany 1: Morphology, Anatomy and Diversity, Botany 2: Physiology; Crop husbandry; or the learning outcomes were achieved differently.

Final competences
1 Have an insight into the major aspects which make the cultivation of a limited number of selected crops so typical.
2 Be able to interrelate technical, technological and socio-economical aspects.

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

(Approved)
Conditions for exam contract
   This course unit cannot be taken via an exam contract

Teaching methods
   Guided self-study, lecture, practicum

Extra information on the teaching methods
   Theory: oral lectures
   Exercises: "hands on" practicals and excursions

Learning materials and price
   A syllabus is available. Additional learning material is made available through Minerva.
   Cost: 25 EUR

References
   -

Course content-related study coaching
   -

Evaluation methods
   end-of-term evaluation

Examination methods in case of periodic evaluation during the first examination period
   Written examination

Examination methods in case of periodic evaluation during the second examination period
   Written examination

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation
   not applicable

Extra information on the examination methods
   Theory: period aligned evaluation
   Exercises: period aligned evaluation

   Students who eschew period aligned and/or non-period aligned evaluations for this course unit may be failed by the examiner.
   Theory: written examination
   Exercises: written and oral examination

Calculation of the examination mark
   In order for the students to pass for the course unit "Plant production", they have to pass for all four modules (in casu module 1 forage and amenity grasses, module 2 temperate cash crops, module 3 horticultural crops and module 4 tropical crops)