Course Specifications
Valid as from the academic year 2018-2019

Case studies on Crop Pests and Diseases (I001985)

Course size (nominal values; actual values may depend on programme)
- Credits 5.0
- Study time 125 h
- Contact hrs 75.0 h

Course offerings and teaching methods in academic year 2018-2019
- A (semester 2) Dutch
  - microteaching 6.25 h
  - seminar: coached exercises 6.25 h
  - group work 15.0 h
  - seminar 17.5 h
  - PDE tutorial 23.75 h
  - excursion 6.25 h

Lecturers in academic year 2018-2019
- Van Leeuwen, Thomas
- Höfte, Monica
  - LA21 lecturer-in-charge
  - LA21 co-lecturer

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

Teaching languages
- Dutch

Keywords
- Entomology, phytopathology, crop protection, integrated pest management

Position of the course
In practical circumstances, one does not have recipes or formulas at hand to solve crop protection problems. In this course, the future crop protection expert will be exposed to as many as possible aspects which are important in day to day practice. This way, the student will have to learn how to analyse a crop protection related problem and how to find a creative way to solve it. Phytopathological and entomological, as well as nematological problems might be offered.

Contents
- Following topics can be offered:
  - Diagnosis of pests and diseases
  - Find practical information on important pests and diseases, evaluatie it, and make a data paper
  - Legislation related to crop protection compounds (both pesticides and biological agents)
  - Know how on the registration of pesticides
  - Toxicological experiments and/or determination of side-effects of a pesticide on non-target organisms
  - Excursions to extension services and experimental plots

Initial competences
Case studies on Crop Pests and Diseases builds on certain learning outcomes from the course units 'Crop Protection' and 'Crop Pests and Diseases'; or the learning outcomes have been achieved.
Knowledge of Crop Protection Chemistry is an advantage.

Final competences
1. Solve a crop protection related problem

(Approved)
2. Make a sound diagnosis
3. Give the necessary advice on prevention and control
4. Set up and judge practical experiments

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, group work, microteaching, PDE tutorial, seminar, seminar: coached exercises

Extra information on the teaching methods
This course is a mixture of assignments (to be carried out in groups or individual), small experiments, excursions, guest speakers, ...

Learning materials and price
Learning material is either searched for by the students themselves (as part of the training), or provided by the teaching staff. The cost is variable but limited.

References

Course content-related study coaching
There will be an intensive coaching and collaboration between students and the teaching staff

Evaluation methods
continuous assessment

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

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

Examination methods in case of permanent evaluation

Participation, assignment, skills test

Possibilities of retake in case of permanent evaluation
examination during the second examination period is possible in modified form

Extra information on the examination methods
The students will be evaluated based on their participation to the different activities and on their reports on this activities.

Calculation of the examination mark
Calculation will differ from year to year, based on the activities.
Students who eschew period aligned and/or non-period aligned evaluations for this course unit may be failed by the examiner.