Course Specifications
Valid as from the academic year 2015-2016

Case studies on Herbology (I001986)

Course
Specifications

Lecturers in academic year 2018-2019
De Cauwer, Benny
LA21
lecturer-in-charge

Offered in the following programmes in 2018-2019

Master of Science in Bioscience Engineering: Agricultural Sciences
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Teaching languages
Dutch

Keywords
Integrated Weed Management, tolerance, resistance, persistance, soil seed bank, crop-weed-soil-interactions, crop-weed competition, crop damage

Position of the course
Integrated approach of weeds and their management by a thorough study of some current basic themes in the field of weed science.

Contents
• Soil weed seed bank: determination, significance
• Weed identification
• Inter- and intraspecific variability in weeds and crops: shifts in the weed flora, herbicide resistance in weeds and crops,…
• Herbicide behavior in soil
• Laboratory bioassay methods
• Herbicide persistence
• Integrated weed management
• Diagnosing herbicide injury in cropped and non-cropped areas

Initial competences
Case Studies on Herbology build on certain learning outcomes of course units Weed science, Plant Husbandry; or the learning outcomes were achieved differently.

Final competences
1 Be able to formulate advice, useful for practice, concerning practical problems (phytotoxicity, control, resistance, …) in agricultural and non-crop environments
2 Have the capacity to document, analyse, interpret and present current weed science related themes in a scientifically sound way.

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

(Approved)
Teaching methods
  Guided self-study, excursion, lecture, microteaching, practicum, seminar

Extra information on the teaching methods
  Theory: self-study, lecture, practicum
  Exercises: both “hands on” practicals and excursions, seminars

Learning materials and price
  No syllabus available but bundled presentations comprising recent information taken
  from journals, conference proceedings and checked internet applications

References

Course content-related study coaching

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
  Written examination, assignment, report

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
  Theory: period aligned evaluation (40%)
  Exercises: non-period aligned evaluation (60%) (frequency=3)
  Students who eschew period aligned and/or non-period aligned evaluations for this
  course unit may be failed by the examiner.
  Theory: written (closed book) examination
  Exercises: assessment of reports on individual tasks

Calculation of the examination mark
  Students who eschew period aligned and/or non-period aligned evaluations for this
  course unit may be failed by the examiner.
  Theory: participation to discussion, presentation in group, reporting individually and in
  group
  Exercises: lab-report, participation to discussion, presentation in group, reporting in
  group

(Approved)