Course Specifications
Valid as from the academic year 2016-2017

Organic Farming (I000509)

Course Specifications
Valid as from the academic year 2016-2017

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

<table>
<thead>
<tr>
<th>Credits</th>
<th>Study time</th>
<th>Contact hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
<td>120 h</td>
<td>45.0 h</td>
</tr>
</tbody>
</table>

Course offerings and teaching methods in academic year 2018-2019

A (semester 1) Dutch

- Lecture: 23.75 h
- Guided self-study: 8.75 h
- Excursion: 8.75 h
- Seminar: coached exercises: 3.75 h

Lecturers in academic year 2018-2019

- Reheul, Dirk LA21 lecturer-in-charge
- De Clercq, Patrick LA21 co-lecturer
- De Neve, Stefaan LA20 co-lecturer
- Dessein, Joost LA27 co-lecturer
- Fievez, Veerle LA22 co-lecturer

Offered in the following programmes in 2018-2019

<table>
<thead>
<tr>
<th>Programme</th>
<th>Crdts</th>
<th>Offering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science in Bioscience Engineering: Agricultural Sciences</td>
<td>4</td>
<td>A</td>
</tr>
<tr>
<td>Master of Science in Bioscience Engineering: Land and Water Management</td>
<td>4</td>
<td>A</td>
</tr>
</tbody>
</table>

Teaching languages

- Dutch

Keywords

- Organic agriculture, biodiversity, soil food web, crop husbandry and breeding, crop protection, animal husbandry, economy

Position of the course

Organic farming tends to grow in the western world. This course is an introduction into the complexity of organic farming and the corresponding food chain.

Contents

1. Introduction: history and organization of organic farming and of the organic food chain
2. Soil management and soil food web
3. Crop husbandry, crop breeding and biodiversity
4. Crop protection
5. Animal husbandry
6. Economy of the organic food chain
7. Visits to organic farms and discussion with a panel of experts and stakeholders

Initial competences

- Knowledge of crop and animal husbandry, plant breeding, crop protection, economy and marketing, soil science is recommended.

Final competences

1. Students know the specific characteristics of the organic production system and the corresponding food chain.
2. Students are able to discuss the potential and constraints of organic production systems.
3. Students are able to identify knowledge gaps and research needs.
4 Students are able to take up a job in the chain of organic production systems.

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
Guided self-study, excursion, lecture, seminar: coached exercises.

Extra information on the teaching methods
Theory: lectures
Exercises: visits to organic farms and a discussion with a panel of experts and stakeholders.

Learning materials and price
A syllabus is available. Cost: approx. 25 EUR.

References
Standard books on organic farming.

Course content-related study coaching
A syllabus is available, written in Dutch. Extra information is provided via Minerva. The lecturers and assistants can be consulted during excursions and exercises.

Evaluation methods
End-of-term evaluation.

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

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

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation
Not applicable.

Extra information on the examination methods
Oral examination by the panel of lecturers. The exam assesses the absorption of knowledge, offered during the visits to organic farms and offered in the lectures, with an emphasis on the integration of fundamental and applied knowledge.
The participation to excursions and to the discussion with the stakeholders' panel is compulsory. Students with an unmotivated absence in excursions and in the panel discussion can not earn credits for this course.

Calculation of the examination mark
The final score is an integration of scores supplied by the lecturers.

(Approved)