

Plant Biotechnology: Biosafety, IP and society (C003162)

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

Credits	3.0	Study time	80 h	Contact hrs	25.0 h
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Course offerings and teaching methods in academic year 2018-2019

A (semester 1)	English	lecture: plenary	15.0 h
		exercises	
		lecture	10.0 h

Lecturers in academic year 2018-2019

Vanhalst, Koen	WE14	lecturer-in-charge
Rudelsheim, Patrick	WE09	co-lecturer

Offered in the following programmes in 2018-2019

Master of Science in Plant Biotechnology	crdts	offering
	3	A

Teaching languages

English

Keywords

Intellectual property, biosafety, GMP, field trials, European directives.

Position of the course

Acquisition of basic knowledge about the regulatory aspects in plant biotechnology. At the end of the course, students should be able to manage the basic regulatory aspects of a biotech project in the fields of IP and plant biosafety and they should know where they can find additional information if required.

Contents

In the field of Intellectual property, intellectual property relevant to biotech is discussed, including patents, plant variety right, copyright, database right and trade- and service marks. A link is made to the relevant European directives. Differences between the European and US patent system are discussed, in view of their practical consequences. The students are taught where and how to find patent information. In the field of Biosafety, the course starts with the basic principles as laid down in the OECD study, and elaborates on the European directives on contained use, deliberate release, novel foods, labeling, protection of workers at workplace and transport. Special attention is paid to the principles of risk assessment. An outline for the risk assessment for higher plants will be presented and case studies in the plant field will be discussed.

Initial competences

Knowledge of the fundamental biotechnological terms and techniques.

Final competences

- 1 Ability to conduct a prior art search and to identify relevant patents in a given research field.
- 2 Ability to make a risk assessment and an ethical analysis of a given research field.
- 3 Ability to determine which European directives are relevant to a given research field.
- 4 Ability to link the various possibilities of intellectual property with a particular case.

Conditions for credit contract

Access to this course unit via a credit contract is unrestricted: the student takes into consideration the conditions mentioned in 'Starting Competences'

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Lecture, lecture: plenary exercises

Extra information on the teaching methods

Lecture, lecture: plenary exercises

Learning materials and price

Copies of slides.

Estimated cost: 15 EUR.

References

Not applicable.

Course content-related study coaching

Can be offered upon appointment with the lecturer.

Evaluation methods

end-of-term evaluation

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

Open book examination, oral examination

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

Open book examination, oral examination

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation

not applicable

Calculation of the examination mark

Marks of exam.