MK-019-EN	MK-019-EN Industrial Internship	12 CP
	Industrielles Praktikum	
Core Module / Optional Module	/	3. Sem.;
	Offered for the first time: WS 2015/16	
	Intake capacity: not limited	

Frequency and Duration: WS or SS, 8 weeks

Module Coordinator: Chair of Phytopathology

Applies to the Study Programmes: Agrobiotechnology, Master (3.);

Prerequisites for Participation: cores of the 1st and 2nd semester / (recommended: Basic knowledge in laboratory work; basic knowledge in chemistry and biology)

Learning Outcomes:
Students will
- be able to understand and evaluate biotechnological processes in food and Agrobiotechnology
- have practical experience with extended biotechnological processes, such as tissue culture, high-throughput screening and marker applications, fermentation
- be able to execute extended biotechnological laboratory methods unassisted
- have a conception of the problem solution strategies in biotechnology
- get insight and broad information on technology and strategies used by food and agrobiotechnology industries

Module Content:
- transgenic plants/microorganisms
- agronomically important genes, proteins, and/or other metabolites
- genetic transformation techniques
- depending on industry laboratory :
- biotechnological pest control techniques
- biotechnological disease control techniques
- tissue techniques and tissue cultures
- high-throughput screening methods
- molecular breeding techniques
- food and feed safety
- microbial production techniques
- cell biology techniques
- visualization techniques by marker genes

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture		
Seminar		
Practical training	360	
Exercises		
Excursion		
Total:	360	

Prerequitistes for Examination: …

Module Examination:
- Form(s) of assessment: Oral examination
- Components of final grade: Oral examination (100 %)
- Form of module retake examination: Oral examination

Language: English