

<b>Molecular Crop Science II</b>					
Code: MA-M-02-PM POS: 746123010		Workload (h) 180	Credits (LP) 6,0	Duration (Semester) 1	Term WS
Coordinator	Prof. Dr. Heiko Schoof				
Lecturers	Prof. Dr. Heiko Schoof; Prof. Dr. Jens Léon; Prof. Dr. Andreas Meyer; Prof. Dr. Claudia Knief; Prof. Dr. Frank Hochholdinger; Prof. Dr. Florian Grundler; Prof. Dr. Peter Dörmann; Prof. Dr. Gabriel Schaaf; Prof. Dr. Annaliese Mason				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Crop Sciences			E PM	3.
Learning objectives	To acquire theoretical and practical skills in molecular crop science, applying tools and experimental strategies within a scientific project				
Key competences	Project planning and management; lab work and safety; scientific documentation (lab book); writing of project reports; communication and oral presentation of results; critical reading				
Learning content	The student will work on an individual project in the context of a research group. The projects are as diverse as the research subjects of the participating groups, which include Plant Breeding, Molecular Biology of the Rhizosphere, Molecular Phytomedicine, Crop Functional Genomics, Crop Bioinformatics, Chemical Signalling, and Molecular Biotechnology. Students will present and discuss their projects in a joint seminar, as well as prepare a written report. Besides the results from project work this will include the necessary scientific and methodical background and introduce the students to scientific writing.				
Language	English				
Recommended knowledge	none				
Prerequisites	none				
Maximum number of students					
Course(s)	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	P*	Selected topics to be agreed with the respective tutor	1	5,0	150
	PS	Molecular Crop Science II	14	1,0	30
Examination(s)	Code	Type of examination	Duration of examination		
		none			
Academic Achievements	1) Written report (Praktikumsbericht), submitted within four weeks after completion of lab work and accepted by the tutor, or, if not, corrected; 2) Oral presentation of project results (30 min); 3) Regular participation				not graded
Other					