Molecular Crop Science I					
Code: MA-M-01-PM POS: 746223010		Workload (h) 180	Credits (LP) 6,0	Duration (Semester) 1	Term SS
Coordinator	Prof. Dr. Andreas Meyer				
Lecturers	Prof. Dr. Andreas Meyer; Prof. Dr. Jens Léon; Prof. Dr. Florian Grundler; Prof. Dr. Frank Hochholdinger; Prof. Dr. Heiko Schoof; Prof. Dr. Claudia Knief; Prof. Dr. Peter Dörmann				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Crop Sciences M.Sc. Plant Sciences			E PM O	2.
Learning objectives	To acquire basic knowledge of tools and experimental strategies used in molecular crop science				
Key competences	Project planning and management; lab work and organisation; scientific writing; communication and oral presentation of results; critical reading				
Learning content	The content of the individual project is as diverse as the research subjects of the participating teachers, which include Plant Breeding, Molecular Biology of the Rhizosphere, Molecular Phytomedicine, Crop Functional Genomics, Crop Bioinformatics, Chemical Signalling and Molecular Biotechnology. Independent of the chosen project the course will provide key information about concepts in molecular analysis of crops. The research project will be regularly discussed in tutorials and the outcome presented in oral form in research seminars of the participating laboratories and a poster presentation at the end of the project.				
Language	English				
Recommended knowledge	Basic knowledge in Genetics and Molecular Biology				
Prerequisites	none				
Maximum number of students					
Course(s)	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	PS (blocked) S* (blocked)	To be agreed with the respective tutor Molecular Crop Science I	1 14	5,0 1,0	150 30
Examination(s)	Code	Type of examination	Duration of examination		
		none			
Academic Achievements	1) hand-in of written report at the latest 4 weeks after finishing the lab work; the report needs to be accepted by the tutor or, if not, to be corrected appropriately; 2) presentation of results from lab work on a poster; 3) Regular participation				not graded
Other					