

Module Name	Module Code
Recent Progress in Plant Breeding and Genome Research	AEF-agrig018
Module Coordinator	
Prof. Dr. Christian Jung	
Organizer	
Institute of Crop Science and Plant Breeding - Plant Breeding	
Faculty	
Faculty of Agricultural and Nutritional Sciences	
Examination Office	
Faculty of Agricultural and Nutritional Sciences - Examination Office	

ECTS Credits	6
Evaluation	Graded
Duration	one semester
Frequency	Takes place every semester
Workload per ECTS Credit	30 hours
Total Workload	180 hours
Contact Time	60 hours
Independent Study	120 hours
Teaching Language	English

Recommended Requirements			
Advanced understanding of genetics, molecular biology, and plant breeding. Module AEF-agrig005 and AEF-agrig007 successfully passed.			
Module Courses			
Course Type	Course Name	Compulsory/Optional	SWS
Seminar	Plant Breeding Research and Crop Genome Analysis	Compulsory	2
Seminar	Literature Club: Current Trends in Plant Breeding and Genome Research	Compulsory	1
Seminar	Current Methods in Applied Plant Breeding	Compulsory	1
Field trip	Practical Plant Breeding and Crop Genome Research	Compulsory	1
Prerequisites for Admission to the Examination(s)			
Regular visits of excursion in summer semester are necessary.			

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Seminar Paper with Assignment: Recent Progress in Plant Breeding and Genome Research	Seminar Course-work	Graded	Compulsory	100
Further Information on the Examination(s)				
1.+2. period in winter semester 1.+2. period in summer semester examiner: Prof. Dr. Jung / Dr. Melzer or Dr. Karunarathna QIS: 92100 with number of Examination 92110 winter semester: seminar paper summer semester: protocol: Practical plant breeding				

Course Content
Current trends and methods in plant breeding and plant genome analysis in public research institutions, applied plant breeding in small and medium sized businesses
Learning Outcome
Advanced understanding of the application of genetics and genomics in plant breeding research and practice.
Reading List
Announced at the beginning of the semester: topic specific articles will be distributed as electronic files and weblinks, textbooks will be available from the plant breeding library of the CAU Kiel
Additional Information
Maximum number of participants: 12 Enrollment by OLAT within workdays Monday through Friday in the 1st week of the 2. audit period of the preceding semester. Following information are necessary: matriculation number last name first name degree study program stu-Email The allocation of the places takes place in the 2nd week of the 2. audit period of the preceding semester. Acceptance of the place by students only through participation at the first day of the course. Students without a place can get a place at the first day of the course by move-up procedure.

Use	Compulsory / Optional	Semester
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2013)	Optional	-
Master, 1-Subject, AgriGenomics, (Version 2017)	Optional	-
Master, 1-Subject, AgriGenomics, (Version 2010)	Optional	-
Master, 1-Subject, Dairy Science, (Version 2017)	Optional	-
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2017)	Optional	-
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2013)	Optional	-