Module number	**EM 14** **Enrollment about QIS: 92100**
Module name	**Recent progress in plant breeding and genome research**
Program of Study	M.Sc. elective module. summer semester 2013 only M.Sc. Agrigenomics
Offered	Once a year, summer semester
Module coordinator	Prof. Dr. Christian Jung
Module advisors	Prof. Dr. Christian Jung
Courses and teachers	**Seminars:** Plant Breeding research and crop genome analysis (Jung by F. Kopisch-Obuch) Literature club: Current trends in plant breeding and genome research (Jung by C. Molina) **Excursion:** Practical plant breeding and crop genome research (Jung by F. Kopisch-Obuch)
Prerequisites	Advanced understanding of genetics, molecular biology, and plant breeding.
Language	English
Module capacity on campus students	20, online-registration through OLAT starts one week before lecture beginning
Module capacity off campus students	-
Course types (classroom/ total workload)	seminar (30 h /90 h), seminar (15 h /45 h), excursion (15 h/45 h)
Schedule	Seminars weekly, excursion as announced at the beginning of the semester
Grading	Assignment (100%), report of the excursion required
ID-card	Required for exams
European Credit Points	6
Module Objectives	Advanced understanding of the application of genetics and genomics in plant breeding research and practice.
Contents	▪ Current trends and methods in plant breeding and plant genome analysis in public research institutions ▪ Applied plant breeding in small and medium sized businesses
Taught Skills	Methods and Application
Course materials	Announced at beginning of semester – topic specific articles will be distributed.