

Module Name	Module Code
Integrated Management of Wetlands	AEF-EM018
Module Coordinator	
Priv.-Doz. Dr. Michael Trepel	
Organizer	
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	Only takes place during winter semesters
Workload per ECTS Credit	30 hours
Total Workload	180 hours
Contact Time	60 hours
Independent Study	120 hours
Teaching Language	English

Module Courses			
Course Type	Course Name	Compulsory/Optional	SWS
Lecture	Integrated Management of Wetlands	Compulsory	1
Exercise	Integrated Management of Wetlands	Compulsory	1
Seminar	Integrated Management of Wetlands	Compulsory	2
Prerequisites for Admission to the Examination(s)			

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Assignment: Integrated Management of Wetlands	Assignment	Graded	Compulsory	100
Further Information on the Examination(s)				
1.+2. period in wintersemester 1. period in summersemester examiner: PD Dr. Trepel or Prof. Dr. Schrautzer QIS: 77300 with number of Examination 77310				

Course Content
<p>The course addresses basic ecological principles in wetlands using wetland ecosystems from Europe as a focus for study. Particular emphasis is given to wetland functions, hydrogenetic wetland types, wetland hydrology, nutrient dynamics in wetlands and wetland diversity and vegetation. Wetland management is discussed under different goal setting scenarios such as water quality improvement, climate change, or maintaining biodiversity. Principles for wetland management and restoration are topics for analysis and debate. The course is structured in two parts: lectures and projects. Lectures are given weekly. In projects, the student work on a specific problem related to wetland management during the semester, the results from the projects are presented at the end of the semester with a presentation and a paper.</p>
Learning Outcome
<p>Students are able to identify the ecological, economical and social components of integrated wetland management and are able to use system analysis to study the interrelationships. The participants are able to understand the specific characteristics of wetlands. They are able to understand and communicate the different points of view of local actives</p>
Reading List
<p>Parish, F., Sirin, A., Charman, D., Joosten, H., Minayeva, T., Silvius, M. & Stringer, L. (Eds.) (2008): Assessment on Peatlands, Biodiversity and Climate Change: Main Report. Global Environment Centre, Kuala Lumpur and Wetlands International, Wageningen. http://www.imcg.net/media/download_gallery/books/assessment_peatland.pdf Mitsch, W.J., & Gosselink, J.G. (2000): Wetlands, third edition. Wiley, New York, NY, USA.</p>
Additional Information
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Use	Compulsory / Optional	Semester
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2017)	Optional	3.
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2013)	Optional	3.
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2017)	Optional	3.
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2013)	Optional	3.
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2017)	Optional	3.
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2013)	Optional	3.
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2017)	Optional	3.
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2013)	Optional	3.
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2017)	Optional	3.
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2013)	Optional	3.
Master, 1-Subject, Dairy Science, (Version 2017)	Optional	3.
Master, 1-Subject, Ecohydrology, (Version 2011)	Optional	3.
Master, 1-Subject, Environmental and Resource Economics, (Version 2014)	Optional	3.
Master, 1-Subject, Environmental Management, (Version 2017)	Optional	3.
Master, 1-Subject, Environmental Management, (Version 2013)	Optional	3.
Master, 1-Subject, Environmental Management - Management of Natural Resources, (Version 2010)	Optional	3.
Master, 1-Subject, Nutritional and Food Science, (Version 2013)	Optional	3.
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2017)	Optional	3.
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2013)	Optional	3.
Master, 1-Subject, Sustainability, Society and the Environment, (Version 2013)	Optional	3.