

Module Name	3.1.4 Integrated Mangement of Wetlands
Identification code	AEF301, EM3.1.4, EH-CAU403 (QIS-registration for examination) 72300
Subtitle	
Courses embedded	
Term	Winter
Coordinator	PD. Dr. M. Trepel
Teachers	PD. Dr. M. Trepel Prof. Dr. O. Nelle Prof. Dr. J. Schrautzer Prof. Dr. K. Dierßen
Tuition language	English
Programme involvement	Elective MSc Environmental Management Elective MSc Ecohydrology
Teaching form, contact time per week	Lecture Integrated Management of Wetlands (15h/45h) Excursion Integrated Management of Wetlands, (15h/45h) Seminar Integrated Management of Wetlands, (30h/90h)
class size	16
Workload overall	180h
Contact time	60h
ECTS credit points	6
Preconditions prescribed	
Prerequisites recommended	
Learning outcomes	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
Content	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.
Assessment	Exercise 100%
Teaching media	Presentations, Discussions, group work
References	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.
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