Module Name	Module Code
Fieldtrip Ecohydrology Poland	AEF-EM041
Module Coordinator	
Prof. Dr. Nicola Fohrer	
Organizer	
Institute for Natural Resource Conservation - Hydrology and Water Resources Management	
Faculty of Agricultural and Nutritional Sciences - Institute for Natural Resource Conservation	
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 summer 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**	**Compul-sory/Optional**	**SWS**
Lecture	Analysis of Ecohydrological Interactions	Compulsory	1
Exercise	In Situ Analysis of Ecohydrological Interactions	Compulsory	2,5
Field trip	Ecohydrology	Compulsory	0,5
Prerequisits for Admission to the Examination(s)			
Regular visits of excursion is necessary for the examination.			

Examination(s)

Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Protocol: Fieldtrip Ecohydrology Poland	Protocol	Graded	Compulsory	100

Further Information on the Examination(s)

1.+2. period in summer semester
1. period in winter semester
examiner: Prof. N. Fohrer/PD Dr. Wu
QIS: 68300 with exam 68310

Course Content

The field course in the region of Lodz, Poland will train participants to identify critcal areas in watersheds with respect to impacts caused by urbanisation, primary industries (e.g. agriculture) as well as secondary and tertiary industries (especially tourism). Field work will deal with LAND-WATER INTERACTIONS, e.g. assessment of their effectiveness in maintaining and improvement of water quality and quantity, ground water influence on surface water quality, efficiency of ecotones in nutrient removal, estimation of the effects of flood zones to analyse the quality and buffer capacity of STREAMS & RIVERS and or LAKES & RESERVOIRS.

Learning Outcome

Studens will gain knowledge and understanding about and oft he ecohydrological concept and the echydrological approach to the water management of water ecosystems on the basin scale. Students will learn the methodology and application of ecohydrological tools during practical field work. They will become competent to apply ecohydrological concepts to support the sustainable management and restoration of surface waters in the context of the EU Water Framework Directive.

Reading List

Online lecture notes: www.biol.uni-lodz.pl/ kes
Wagner, I., Marsalek. J. and Breil, P. (eds). 2007. Aquatic Habitats in Sustainable Urban Water Management: Science, Policy and Practice. Taylor and Francis/Balkema: Leiden;
Zalewski M. Wagner-Lotkowska I. & Robarts D. R. (eds). 2004. Integrated Watersehed Management - Ecohydrology and Phytotechnology-Manual. UNESCO IHP, UNEPIETC.246pp.; http://www.unep.or.jp/Ietc/Publications/Water_Saniation/integrated_watershed_mgmt_manual
Zalewski M. (ed9) 2002.: Guidelines for the Integrated Manaement of the Watershed-Phytotechnology and Ecohydrology. UNEP-IETC, Freshwater Management Series 5; http://www.unep.or.jp./ietc/publications/Freshwaters/FMS5
http://www.Switschurbanwater.eu - 2005-2011: SWITCH: Sustainable Water management Improves Tomorrow´s Cities Health. (GOCE 018530 UE 6 FP) www.unesco-ihe.org/switch, http//switchlodz.wordpress,com. In cooperation with University of Lodz.
www.biol.uni.lodz.pl/demosite/pilica - The first UNESCO/UNEP Demonstration Project !Application of Ecohydrology and Phytotechnology for Water Resources Management and Sustainable Development" was launched in 2000 at the Pilica River catchment (Poland).

Additional Information

capacity liminted capacity : 14 available places
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
striven 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.
The module will be offered as a block jointly organised by Kiel University and the University of Lodz

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, Applied Ecology, (Version 2016)	Optional	-
Master, 1-Subject, Applied Ecology, (Version 2015)	Optional	-
Master, 1-Subject, Environmental Management, (Version 2017)	Optional	-
Master, 1-Subject, Environmental Management, (Version 2013)	Optional	-
Master, 1-Subject, Nutritional and Food Science, (Version 2013)	Optional	-
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2017)	Optional	-
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2013)	Optional	-
Master, 1-Subject, Sustainability, Society and the Environment, (Version 2013)	Optional	-