

Module Name		Module Code	
Integrated Management of River Basins		agrarAEF076-01a	
Module Coordinator			
Prof. Dr. Nicola Fohrer			
Organizer			
Institute for Natural Resource Conservation - Hydrology and Water Resources Management			
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 River Basins	Compulsory	2
Practical Exercise	Integrated Management of River Basins, excursion	Compulsory	1
Seminar	Integrated Management of River Basins, seminar	Compulsory	1

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Seminar Paper with Assignment: Integrated Management of River Basins	Seminar Coursework	Graded	Compulsory	100
Further Information on the Examination(s)				
<p>1.+2. period in wintersemester 1. period in summersemester</p> <p>examiner: Prof. Dr. Fohrer/Dr. Ulrich/Dr. Wagner/Dr. Rosado Alcarria QIS: 77200 with number of Examination 77210</p>				
Course Content				
<p>The principles of integrated water resource management (IWRM) are conveyed. Tools to identify potential threats and to assess the effectivity of improving measures are introduced. Case studies for the application of IWRM are presented, and developed by the students in exercises.</p>				
Learning Outcome				
<p>Students will be able to identify adverse affects in river basins and establish a sustainable river basin concept which provides a balance between the existing natural functions of the river system and the developed aspects of the system (considering industrial use, recreation, nature management and agricultural purposes).</p>				
Reading List				
<p>Online lecture notes: OLAT Ward, A.D., & Trimble, S.W: 2004: Environmental Hydrology. Lewis Publishers</p>				

Verwendung	Pflicht/Wahl	Fachsemester
Master, 1-Fach, Agrarwissenschaften, Agrarökonomie, (Version 2017)	Wahl	-
Master, 1-Fach, Agrarwissenschaften, Agrarökonomie, (Version 2013)	Wahl	-
Master, 1-Fach, Agrarwissenschaften, Agribusiness, (Version 2017)	Wahl	-
Master, 1-Fach, Agrarwissenschaften, Agribusiness, (Version 2013)	Wahl	-
Master, 1-Fach, Agrarwissenschaften, Nutzpflanzenwissenschaften, (Version 2017)	Wahl	-
Master, 1-Fach, Agrarwissenschaften, Nutzpflanzenwissenschaften, (Version 2013)	Wahl	-
Master, 1-Fach, Agrarwissenschaften, Nutztierwissenschaften, (Version 2017)	Wahl	-
Master, 1-Fach, Agrarwissenschaften, Nutztierwissenschaften, (Version 2013)	Wahl	-
Master, 1-Fach, Agrarwissenschaften, Umweltwissenschaften, (Version 2017)	Pflicht	-
Master, 1-Fach, Agrarwissenschaften, Umweltwissenschaften, (Version 2013)	Pflicht	-
Master, 1-Fach, Dairy Science, (Version 2017)	Wahl	-
Master, 1-Fach, Ernährungs- und Lebensmittelwissenschaften, (Version 2013)	Wahl	-
Master, 1-Fach, Ernährungs- und Verbraucherökonomie, (Version 2017)	Wahl	-
Master, 1-Fach, Ernährungs- und Verbraucherökonomie, (Version 2013)	Wahl	-
Master, 1-Fach mit Nebenfach, Prähistorische und Historische Archäologie, (Version 2015)	Wahl	-
Master, 1-Fach mit Nebenfach, Prähistorische und Historische Archäologie, (Version 2007)	Wahl	-