

Module Name	Module Code
Principles in Ecology for Environmental Sciences	AEF-EM001
Module Coordinator	
Prof. Dr. Tim Diekötter	
Organizer	
Institut für Natur- und Ressourcenschutz - Landschaftsökologie	
Faculty	
Faculty of Agricultural and Nutritional Sciences	
Examination Office	
Prüfungsamt Agrar- und Ernährungswissenschaftliche Fakultät	

ECTS Credits	6
Evaluation	Graded
Duration	ein 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	Compul- sory/Optional	SWS
Lecture	Landscape Ecology	Compulsory	1
Field trip	Coastal Ecology	Compulsory	2
Lecture	Marine Ecology	Compulsory	0,5
Lecture	Freshwater Ecology	Compulsory	0,5

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Written Exam: Principles in Ecology for Environmental Sciences	Written Examination	Graded	Compulsory	100
Further Information on the Examination(s)				
1.+2. period in wintersemester 1. period in summersemester examiner: Prof. Dr. Diekötter QIS: 71100 with number of Examination 71110				

Course Content
Basics of aut-, dem- and synecology, dynamics of ecosystems. The module deals with terrestrial, marine and freshwater ecosystems
Learning Outcome
Students are introduced to the basic ecological patterns, processes and functions in terrestrial, limnic and marine ecosystems; and understanding of the complexity and dynamics of ecosystems. This allows a first assessment of the possibilities and limits of management measures.
Reading List
Begon M. Townsend CA. Harper JL (2005) Ecology: From Individuals to Ecosystems. Wiley
Additional Information
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Use	Compulsory / Optional	Semester
Master, 1-subject, Agricultural Sciences, Agricultural Economics, (Version 2013)	Optional	-
Master, 1-subject, Agricultural Sciences, Agricultural Economics and Agribusiness # specific field of study: Agricultural Economics, (Version 2008)	Optional	-
Master, 1-subject, Agricultural Sciences, Agricultural Economics and Agribusiness # specific field of study: Agribusiness, (Version 2008)	Optional	-
Master, 1-subject, Agricultural Sciences, Agribusiness, (Version 2013)	Optional	-
Master, 1-subject, Agricultural Sciences, Crop Sciences, (Version 2013)	Optional	-
Master, 1-subject, Agricultural Sciences, Crop Sciences, (Version 2008)	Optional	-
Master, 1-subject, Agricultural Sciences, Animal Sciences, (Version 2013)	Optional	-
Master, 1-subject, Agricultural Sciences, Animal Sciences, (Version 2008)	Optional	-
Master, 1-subject, Agricultural Sciences, Environmental Sciences, (Version 2013)	Optional	-
Master, 1-subject, Agricultural Sciences, Environmental Sciences, (Version 2008)	Optional	-
Master, 1-subject, Environmental Management, (Version 2013)	Optional	-
Master, 1-subject, Environmental Management - Management of Natural Resources, (Version 2010)	Optional	-
Master, 1-subject, Nutritional and Food Science, (Version 2013)	Optional	-
Master, 1-subject, Nutritional and Consumer Economics, (Version 2013)	Optional	-
Master, 1-subject, Nutritional Sciences and Household Economics, Nutritional and Consumer Economics, (Version 2008)	Optional	-
Master, 1-subject, Nutritional Sciences and Household Economics, Nutritional Sciences, (Version 2008)	Optional	-
Master, 1-subject, Sustainability, Society and the Environment, (Version 2013)	Optional	-