

Module Name		Module Code		
Principles in Ecology for Environmental Sciences		EMAEF001-01a		
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	Compulsory/Optional	SWS	
Lecture	Principles in Ecology for Environmental Sciences	Compulsory	2	
Practical Exercise	Problem-solving in Ecosystem Management	Compulsory	2	
Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory/Optional	Weighting
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 QIS: 71100 with number of Examination 71110 Required Prerequisites for exam eligibility: passed assignn
Course Content
Students will learn the basics of ecological patterns, processes and functions in terrestrial, limnic and marine ecosystems. They will get a basic understanding of the complexity and dynamics of ecosystems. Based on these concepts they will also learn the potentials and limits of ecologically driven management measures.
Learning Outcome
The students know and are able to explain the basic concepts of aut-, dem- and synecology. The students understand dynamics of terrestrial, marine and freshwater ecosystems. The students are able to apply this knowledge to basic ecological management measures.
Reading List
Begon M. Townsend CA. Harper JL (2005) Ecology: From Individuals to Ecosystems. Wiley
Additional Information
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