

Module Name	Module Code
Principles of Ecosystem Protection & Management	AEF-EM006
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 of Conservation Biology	Compulsory	2
Exercise	Techniques and Tools in Conservation Biology	Compulsory	2

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Oral Examination: Principles of Ecosystem Protection & Management	Oral Examination	Graded	Compulsory	100

Further Information on the Examination(s)
1.+2. period in wintersemester 1. period in summersemester examiner: Prof. Dr. Diekötter QIS: 72100 with number of Examination 72110

Course Content
<p>Principles of conservation Biology: Concept of biodiversity, value of biodiversity, threats to biodiversity, scientific foundations of conservation biology, metapopulation theory, population dynamics, conservation genetics, ecosystem dynamics, reserve design, reserve networks, segregation/integration, surrogates in conservation biology.</p> <p>Techniques and Tools in Conservation Biology: Students will apply current techniques and tools in conservation biology and discuss the outcome of these exercises in the light of the lecturers content.</p>
Learning Outcome
<p>Students are able to analyze the threats to species, habitats and ecosystems protection. They are able to develop sustainable solutions to key issues in conserving biodiversity on the basis of sound ecological knowledge as well as legal regulations.</p> <p>The module focuses on national, pan European as well as international examples in conservation biology.</p>
Reading List
<p>Primack RB (2014) Essentials of Conservation Ecology. Macmillan Education Andel van J, Aronson J (2012) Restoration Ecology: The New Frontier. Wiley-Blackwell and literature advertised in the course of the module</p>
Additional Information
<p>Maximum number of participants: 26 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</p> <p>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.</p>

Use	Compulsory / Optional	Semester
Master, 1-subject, Agricultural Sciences, Agricultural Economics, (Version 2013)	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, Animal Sciences, (Version 2013)	Optional	-
Master, 1-subject, Agricultural Sciences, Environmental Sciences, (Version 2013)	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, Sustainability, Society and the Environment, (Version 2013)	Optional	-