

Module Name	1.6 Principles in Ecosystem Protection & Management
Identification code	AEF292, EM1.6 registration QIS 72100
Subtitle	
Courses embedded	
Term	Winter
Coordinator	Prof. Dr. H. Roweck
Teachers	Prof. Dr. H. Roweck, Prof. Dr. Brendelberger, Prof. Dr. K. Dierßen, Prof. Dr. J. Schrautzer PD Dr. H. Sommer
Tuition language	English
Programme involvement	Elective MSc Environmental Management
Teaching form, contact time per week class size	Lecture: Conservation of species and environment, (30h/90h) Lecture: Conservation of Ecosystems, (30h/90h) 25
Workload overall	180
Contact time	60
ECTS credit points	6
Preconditions prescribed	
Prerequisites recommended	
Learning outcomes	Students are able to understand solutions to relevant problems concerning species and habitat protection. Students are able to find responsible and relevant solutions based on biological as well as formal legal basics to the most important questions raised over species and habitat protection. The focus of this module are methods and examples from the European region for following topics: landscape planning, management of ecosystems in rural and woodland regions, conservation of endangered species and habitats, habitat networks and the European system of protected areas
Content	Threats and the causes of threats, protected areas, succession, fallow land, process protection, metapopulation concept, survivability of populations, biotope association, biotope mapping, assessment methods, methods of inventory, indicators, target species concepts, development of infrastructure and habitat fragmentation, land consolidation, protection of species. In the formal lecture „ecosystem protection“ these topics will be dealt with concerning specific habitats (forests and woods, heathland, bogs and fens coastal biotopes, lakes and rivers, urban areas, rural areas)
Assessment	Oral 100%
Teaching media	Presentations
References	literature will be provided during the lectures.
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