

lök345 - Advanced Limnology

Module label	Advanced Limnology			
Modulkürzel	lök345			
Credit points	6.0 KP			
Workload	180 h			
Verwendbarkeit des Moduls	<ul style="list-style-type: none"> Master's Programme Landscape Ecology (Master) > Wahlpflichtmodule Kiel, Ellen (module responsibility) Kiel, Ellen (Module counselling) Kiel, Ellen (Prüfungsberechtigt) 			
Zuständige Personen				
Prerequisites	<p>Basic knowledge of taxonomy + determination of mainly invertebrates, basic skills in faunistic field methods, L Animal Ecology</p> <p>Special Aquatic Ecology</p> <p>The module imparts general and special knowledge of the ecology of typical floodplain water systems with special emphasis on floodplain dynamics and the resulting processes related to those water systems. Floodplain development and (faunistic) biodiversity are further main topics comprising e.g. the explanation of ecological conditions and colonisation processes and referring to questions of nature protection, examining the habitat preference of selected species and describing the population development of typical floodplain species.</p>			
Skills to be acquired in this module				
Module contents	<p>E Special Aquatic Ecology</p> <p>Familiarization with the course of a planning process on the basis of an exemplary project in Northwest Germany; independent development of a concept of methods for assessing the faunistic actual state and subsequent realization in the field; scientific documentation and ecologically relevant assessment of the situation in the project area using selected indicator groups (scientific determination of selected taxa); preparation of final expert opinions on the project</p> <p>L Special Aquatic Ecology</p> <p>Ecology of typical floodplain water systems (mainly oxbow lakes bodies and temporary water bodies); description of the decisive processes in floodplain and water system dynamics as well as the expressivity of the (faunistic) biodiversity; description of the ecological conditions and colonisation processes relevant to questions of nature protection, aspects of biodiversity as well as habitat preference and population development of typical floodplain species.</p> <p>E Special Aquatic Ecology</p> <p>Description of legal and planning procedures based on a case study; development and realization of a concept of methods for assessing the faunistic current status; scientific documentation (determination of taxa), analysis (determination and classification of species-related characteristics of the taxa relevant to the planning) and ecologically relevant assessment of the situation in the project area; final expert opinion on the project</p> <p>See announcements in StudIP</p> <p>https://www.uni-oldenburg.de/en/biology/aquatic-ecology-and-nature-conservation/</p> <p>German, English</p> <p>1 Semester</p> <p>jährlich</p> <p>unlimited</p> <p>The courses of this module are integrated into lök350 "Special Animal Ecology" (9 CP). Students graduating in Special Animal Ecology cannot graduate in Special Aquatic Ecology.</p> <p>Wahlpflicht / Elective</p> <p>MM (Mastermodul / Master module)</p>			
Literatureempfehlungen				
Links				
Languages of instruction				
Duration (semesters)				
Module frequency				
Module capacity				
Reference text				
Type of module				
Module level				
Examination	Prüfungszeiten		Type of examination	
Final exam of module	Before the end of the module.		Special exercise or Assignment	
Lehrveranstaltungsform	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		1		14
Exercises		3		42

Lehrveranstaltungsform	Comment	SWS	Frequency	Workload of compulsory attendance
Präsenzzeit Modul insgesamt				56 h