**lök345 - Advanced Limnology**

**Module label**  
Advanced Limnology

**Module code**  
lök345

**Credit points**  
6.0 KP

**Workload**  
180 h

**Used in course of study**  
- Master's Programme Landscape Ecology > Vertiefungsmodule drittes Fachsemester

**Contact person**  
- Rolf Niedringhaus
- Ellen Kiel

**Entry requirements**  
Basic knowledge of taxonomy + determination of mainly invertebrates, basic skills in faunistic field methods, L Animal Ecology

**Skills to be acquired in this module**  
Special Aquatic Ecology  
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.

**Module contents**  
L Special Aquatic Ecology  
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 process-es relevant to questions of nature protection, aspects of biodiversity as well as habitat preference and population development of typical floodplain species.

E Special Aquatic Ecology  
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 rele-vant to the planning) and ecologically relevant assessment of the situation in the project area; final expert opinion on the project

**Readers advisory**  
See announcements in StudIP

**Links**  

**Languages of instruction**  
German, English

**Duration (semesters)**  
1 Semester

**Module frequency**  
jährlich

**Module capacity**  
unlimited

**Reference text**  
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.

**Modullevel**  
MM (Mastermodul)

**Modulart**  
Wahlpflicht

**Vorkenntnisse / Previous knowledge**

**Time of examination**  
Before the end of the module.

**Type of examination**  
Special exercise or Assignment

**Course type**  
- Lecture
  - Comment: 1.00
  - Frequency: 14 h
  - Workload: 14 h
- Exercises
  - Comment: 3.00
  - Frequency: 42 h
  - Workload: 42 h
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<td>Total time of attendance for the module</td>
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