Iök345 - Advanced Limnology

Advanced Limnology

Module code: Iök345
Credit points: 6.0 KP
Workload: 180 h

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

Module responsibility
- Rolf Niedringhaus
- Ellen Kiel

Authorized examiners
- Rolf Niedringhaus
- Ellen Kiel

Module counseling
- Rolf Niedringhaus

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.

E Special Aquatic Ecology
- 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

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 processes 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 relevant to the planning) and ecologically relevant assessment of the situation in the project area; final expert opinion on the project

Reader's 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 Iök350 “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

Examination

Final exam of module

Time of examination
Before the end of the module.

Type of examination
Special exercise or Assignment

Course type

Lecture

Comment
1.00

Frequency

Workload attendance
14 h

Exercises

3.00

42 h

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