**Iök345 - 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**

**Module responsibility**
- Rolf Niedringhaus
- Ellen Kiel

**Authorized examiners**
- 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 express-sivity 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 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

**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.

**Modulelevel**
MM (Mastermodul)

**Modulart**
Wahlpflicht

**Vorkenntnisse / Previous knowledge**

**Examination**

**Course type**

<table>
<thead>
<tr>
<th>Final exam of module</th>
<th>Time of examination</th>
<th>Type of examination</th>
<th>Special exercise or Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>Before the end of the module.</td>
<td>SWS</td>
<td>14 h</td>
</tr>
<tr>
<td>Exercises</td>
<td></td>
<td>Frequency</td>
<td>42 h</td>
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**Workload attendance**

<p>| Lecture              | 1.00 |
| Exercises            | 3.00 |</p>
<table>
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<tr>
<th>Course type</th>
<th>Comment</th>
<th>SWS</th>
<th>Frequency</th>
<th>Workload attendance</th>
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<tbody>
<tr>
<td>Total time of attendance for the module</td>
<td></td>
<td></td>
<td></td>
<td>56 h</td>
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