Module label: Advanced Animal Ecology
Module code: lök350
Credit points: 9.0 KP
Workload: 270 h
Used in course of study: Master's Programme Landscape Ecology > Vertiefungsmodule drittes Fachsemester
Contact person: Rolf Niedringhaus, Ellen Kiel
Module responsibility: Rolf Niedringhaus, Ellen Kiel
Authorized examiners: Ellen Kiel, Rolf Niedringhaus
Module counseling: Ellen Kiel
Entry requirements: Basic knowledge of taxonomy + determination of mainly vertebrates, basic skills in faunistic field methods, L Animal Ecology
Skills to be acquired in this module:
L Special Aquatic Ecology
- Ecology of typical floodplain water systems (mainly old water 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
- 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
L Applied Animal Ecology
- Qualification for preparing a professional zooecological contribution within the scope of an expert opinion; familiarization with the most important faunistic indicator groups for scientific objectives relevant to a project
Module contents:
L Special Aquatic Ecology
- Ecology of typical floodplain water systems (mainly old water 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
L Applied Animal Ecology
- Importance of professional zooecological contributions within the scope of ecologically relevant planning; legal and qualified arguments; regulations for the conservation of species under national and international law; faunistic indication: complex of problems related to vicarious species, well-founded selection of indicator groups
- Principles of developing a concept of sampling and of performing field work; description of standard methods of sampling and analysis, essential aspects of a professional zooecological contribution for an expert opinion on a project; detailed description of the most important faunistic indicator groups for scientific objectives relevant to a project
Reader's advisory: See announcements in StudIP
Links
Languages of instruction: German, English
Duration (semesters): 1 Semester
Module frequency | jährlich
---|---
Module capacity | unlimited
Modullevel | MM (Mastermodul)
Modulart | Wahlpflicht

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<td>Before the end of the module</td>
<td>Special exercise or Assignment</td>
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<td>Exercises</td>
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Total time of attendance for the module | 84 h |