Iök260 - Restoration of Terrestrial Ecosystems

Module label
Restoration of Terrestrial Ecosystems
Module code
Iök260
Credit points
6.0 KP
Workload
180 h
Used in course of study
- Master’s Programme Landscape Ecology > Vertiefungsmodule zweites Fachsemester
Contact person
Module responsibility
- Rainer Buchwald
Authorized examiners
- Rainer Buchwald

Entry requirements
Basic knowledge in Ecology, Vegetation Science, and Zoology, comparable to the respective Bachelor modules in Environmental Sciences.

Skills to be acquired in this module
The participants will become acquainted with the possibilities and limits of renaturation and restoration projects in terrestrial ecosystems. This implies an extensive knowledge in autecology and population ecology of selected species on the one hand; on the other hand, monitoring by means of hydrological and/or pedological parameters as well as based on the vegetation and selected animal groups is crucial for evaluating such projects. In cooperation with the respective project management, student groups will contribute to the evaluation and advancement of the respective project as well as similar project(s) by performing individual records, analyses and assessments.

Ranking/position of the module within the course of studies:
The module is closely related to the Master modules “Practice of Nature Conservation”, “Special Ecology” and “Ecology of Soil-Water-Plant Systems” and comprises questions of scientific and applied nature conservation.

Module contents
Theory and Practice of Restoration Ecology (L): The lecture deals with the fundamentals of Restoration Ecology and exemplarily with the biotope systems fen and bog, grassland and heath.
Restoration of Terrestrial Ecosystems (LC): The participants collect data contributing to the evaluation of current restoration projects (Hudewald, mesophilic grassland, heath, oligotrophic stagnant waters).

Reader’s advisory

Additional literature will be announced during the course, if necessary.

Links
Language of instruction
English
Duration (semesters)
1 Semester
Module frequency
jährlich
Module capacity
unlimited
Modullevel
MM (Mastermodul)
Modulart
Wahlpflicht

Lern-/Lehrform / Type of program
Vorkenntnisse / Previous knowledge

Examination Time of examination Type of examination
Final exam of module Before the end of the module Seminar paper or assignment

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Total time of attendance for the module
56 h