bio770 - Field Methods in Organismal Biology

Field Methods in Organismal Biology

Module code
bio770

Credit points
15.0 KP

Workload
450 h

Used in course of study
- Master's Programme Biology > Background Modules

Contact person

Module responsibility

- Gerhard Wolfgang Zotz

Authorized examiners

- Gerhard Wolfgang Zotz
- Gabriele Gerlach
- Dirk Carl Albach
- Thomas Glatzel
- Klaus Bernhard von Hagen
- Henrik Mouritsen

Module counseling

- Gabriele Gerlach
- Dirk Carl Albach
- Thomas Glatzel
- Klaus Bernhard von Hagen
- Henrik Mouritsen

Entry requirements

Skills to be acquired in this module

++ deepened biological expertise
++ deepened knowledge of biological working methods
++ data analysis skills
+ interdisciplinary thinking
++ critical and analytical thinking
++ independent searching and knowledge of scientific literature
++ ability to perform independent biological research
+ data presentation and discussion in German and English (written and spoken)
++ project and time management
++ statistics & scientific programming

The molecule aims at enabling students to apply theoretical knowledge to practical, hypothesis-based field studies within the scope of a seminar. The data derived from the individual projects performed are then to be documented and discussed in the form of a written laboratory course report oriented by a scientific publication and to be written in English. Several teachers cooperate to enable interdisciplinary approaches (e.g. botanical-zoological approaches).

Module contents

S: Biogeographic and ecological classification and characterization of a biome (e.g. Mediterranean region, moist tropics, boreal zone), independent identification and treatment of scientific questions, presentation of scientific results in a "mini symposium" subsequent to the field studies.

E: Planning and performing a field study project, data analysis, written report in the form of a scientific publication

Reader’s advisory

Varies with topic and field locality

Links

www.uni-oldenburg.de/fun_eco/

Languages of instruction

German, English

Duration (semesters)
1 Semester

Module frequency
jährlich

Module capacity
21

Modulart
Pflicht / Mandatory

Lern-/Lehrform / Type of program

Vorkenntnisse / Previous knowledge

Examination
Time of examination
Type of examination

Final exam of module
Presentation(s) (30 %)
Laboratory course report on project work (70 %)

Course type
Comment
SWS
Frequency
Workload attendance

Exercises
10.00
SuSe
140 h

Seminar
2.00
SuSe
28 h
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<th>Comment</th>
<th>SWS</th>
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**Total time of attendance for the module**: 168 h