bio810 - Independent Research

Module label: Independent Research
Module code: bio810
Credit points: 15.0 KP
Workload: 450 h
Used in course of study:
- Master's Programme Biology > Research Modules
Contact person:
- Module responsibility: Gerhard Wolfgang Zotz
- Authorized examiners: Gerhard Wolfgang Zotz

Entry requirements
Skills to be acquired in this module:
++ deepened biological expertise
++ deepened knowledge of biological working methods
++ data analysis skills
++ 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)
+ teamwork
++ project and time management
++ statistics & scientific programming

Most modules in the MSc Biologie at Oldenburg are still rather rigorously structured course work and lectures and provide relatively little opportunity for independent research. Some students do not want to wait until starting their master thesis to get first-hand experience in actual research in their field of interest. This module opens the possibility to students to practice both geographical flexibility and gain important experience by active participation in on-going research in a working group from Oldenburg or any other place before starting their master thesis. "Learning on the job" is the basic motto.

Module contents
The content and venue of this module is chosen in close coordination with the Prüfungsausschuss Master Biologie, possibly with consultations of other professors. The course work should cover all parts of a scientific project, i.e. data collection, data analysis and the presentation of the results. Irrespective of the particular venue (University Oldenburg, other national or international universities, research institutes) the student has to report to a professor in Oldenburg in form of a written report and an oral presentation, both in English.

Reader's advisory
varies with chosen topic

Links
- Language of instruction: English
- Duration (semesters): 1 Semester
- Module frequency: halbjährlich
- Module capacity: unlimited
- Module level: MM (Mastermodul / Master module)
- Module type: Wahlpflicht / Elective

Lern-/Lehrform / Type of program
- Seminar: 1.00 SWS, SuSe and WiSe: 14 h
- Projektorientiertes Modul: 10.00 SWS, SuSe and WiSe: 140 h

Total time of attendance for the module: 154 h