bio720 - Marine Biodiversity

Module label: Marine Biodiversity
Module code: bio720
Credit points: 15.0 KP
Workload: 450 h

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

Contact person:
Module responsibility:
- Pedro Miguel Martinez Arbizu

Authorized examiners:
- Pedro Miguel Martinez Arbizu
- Thomas Glatzel

Module counseling:
- Thomas Glatzel

Entry requirements:
BSc (Biology)

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)
++ teamwork
+ ethics and professional behaviour
+ project and time management
++ statistics & scientific programming

Knowledge of fundamentals, topical subjects and methods in Marine Biology and Marine Geology. Studies and critical assessment of the scientific literature.

Module contents:
L: (AW) General Marine Geology
E: Biogenic sedimentation, Interaction benthos-sediment; (SS) Plankton of the oceans; (MH) unicellular plankton; (IK) benthos of the North-Sea; (PM) biodiversity in the deep sea and on seamounts; (JG) conceptions and hypotheses of marine biodiversity, biodiversity of marine vertebrates; (GG) animal migrations and dispersal behaviour.
A lecture comprises the above-mentioned subjects and imparts marine biological theories, research results and methods.

In the seminar, research is presented and discussed.
In the laboratory course/exercises, subjects are treated in coordination with the contents of the lecture. With the aid of a computer, data are analysed and interpreted statistically.

Reader's advisory:

Links:
Language of instruction: German
Module frequency: jährlich
Module capacity: unlimited
Module level: MM (Mastermodul / Master module)
Modulart: Wahlpflicht / Elective

Course type:
- Lecture: 3.00 SWS, WiSe 14 h
- Exercises: 9.00 SWS, WiSe 126 h
- Seminar: 1.00 SWS, WiSe 42 h

Total time of attendance for the module: 182 h

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