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

Module responsibility
- Pedro-Miquel Martinez-Arbizu

Authorized examiners
- Pedro-Miquel 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
as announced in the lecture

Links
Language of instruction: German
Duration (semesters): 1 Semester
Module frequency: jährlich
Module capacity: unlimited
Module level: MM (Mastermodul / Master module)
Module art: Wahlpflicht / Elective

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

Examination
Time of examination
Type of examination
Final exam of module
Written examination (60 %)
Presentation(s) (40 %)
Regular active participation is required for the module to be passed.

Course type
Comment
SWS
Frequency
Workload attendance
Lecture
3.00
WiSe
42 h
Exercises
9.00
WiSe
126 h
Seminar
1.00
WiSe
14 h
Total time of attendance for the module
182 h