Department of Biology Education

Stockholm University

Syllabus

for course at advanced level

Marine animal physiology
Marin zoofysiologi

15.0 Higher Education Credits
15.0 ECTS credits

Course code:	BL7063
Valid from:	Autumn 2020
Date of approval:	2023-11-21
Department	Department of Biology Education
Main field:	Biology
Specialisation:	A1N - Second cycle, has only first-cycle course/s as entry requirements

Decision

This course syllabus was approved by the Board of Science at Stockholm University on 17/08/2020.

Prerequisites and special admittance requirements

For admission to the course, knowledge is required equivalent to 60 credits in Biology including the courses Physiology 15 credits (BL2016) and Cell- and Molecular Biology 15 credits (BL2018). English 6 or equivalent.

Course structure

Examination code	Name	Higher Education Credits
DEL1	Theory	10
DEL2	Laboratory excercises	5

Course content

a. The course addresses strategies used by animals to meet challenges in the marine environment. The focus is on discussing unique physiological and morphological adaptations to solve problems with e.g. oxygen supply, temperature regulation, fluid balance, buoyancy, locomotion, foraging, sensory processing and anthropogenic impact in a marine environment. The course will have an evolutionary and comparative approach.

b. The course consists of the following modules:
• Module 1, teori (Theory), 10 hp
• Module 2, laborationer (laboratory exercises), 5 hp

Learning outcomes

After completing the course, the student is expected to be able to:
• explain the relationship between morphology and function in marine animals (module 1)
• explain how abiotic, biotic and anthropogenic factors affect marine populations (module 1)
• use laboratory methods in marine eco-physiology (module 2)

Education

Teaching consists of lectures, laboratory work, seminars and group work.
The course is offered in English.

Forms of examination

a. The course is examined in the following manner: Assessment of module 1 takes place through written tests. Assessment of module 2 takes place through laboratory reports.
The examiner can decide on adapted or alternative examination formats for students with disabilities.
The examination will be conducted in English.

b. A passing final grade requires participation in laboratory work, seminars and group work. If special reasons exist, following consultation with the teacher involved, the examiner may grant the student exemption from the obligation to participate in certain compulsory instruction.

c. Grading: The course's final grade is set according to a seven-point criterion-referenced scale:
A = Excellent
B = Very good
C = Good
D = Satisfactory
E = Adequate
Fx = Fail, some additional work required
F = Fail, much additional work required
Grades of module 1 will be set according to a seven-point criterion-referenced scale.
Grades of module 2 will be set according to a two-point grading scale: fail (U) or pass (G).

d. The course's grading criteria are handed out at the start of the course.

e. Students who receive a failing grade on a regular examination are allowed to retake the examination as long as the course is still provided. The number of examination opportunities is not limited. Other mandatory course elements are equated with examinations. A student who has received a passing grade on an examination may not retake the examination to attain a higher grade. A student who has failed the same examination twice is entitled to have another examiner appointed, unless there are special reasons to the contrary. Such requests should be made to the department board. The course includes at least three examination opportunities for each course module per academic year the course is offered. For the academic years that the course is not offered, at least one examination opportunity is offered.

f. There is no possibility to improve the grade Fx to a pass grade in this course.

Interim

Students may request that the examination be conducted in accordance with this course plan even after it has ceased to be valid. However, this may not take place more than three times over a two-year period after the course was discontinued. Requests must be made to the departmental board. The provision also applies in the case of revisions of the course syllabus and revisions of the required reading.

Misc

This course is part of the Master's programme in Biology, but may also be taken as a separate course.

Required reading

The required reading is decided by the department board and published on the course page in the course catalogue at least 2 months before the start of the course.