Zoology, Morphology and Systematics

Programme course

6 credits

Zoomorfologi

NBIA27

Valid from: 2021 Spring semester

Determined by
Board of Studies for Chemistry, Biology and Biotechnology

Date determined
2020-09-29

Main field of study
Biology

Course level
First cycle

Advancement level
G1N

Course offered for
- Bachelor's Programme in Biology
- Bachelor's Programme in Animal psychology

Intended learning outcomes
The course intends to provide knowledge about animal diversity, including morphology and systematics for a defined number of animal groups. After the course each student should

- be able to describe the following animal groups considering both systematics and functional morphology: cnidaria, segmented worms, mollusks, arthropods, echinoderms and chordates.
- be able to recognize the above-mentioned animal groups and label them in a correct systematic way
- be able to describe different systematic principles and what the classification system of animals is based on
- be able to discuss basic principles around the question "what is an animal?"
- have the knowledge of how to perform an animal dissection

Course content
The course intends to provide knowledge about animal diversity based on morphology, functions and modern systematics. The diversity of the animal kingdom is exemplified by studies of the following animal groups:
cnidaria, segmented worms, mollusks, arthropods, echinoderms and chordates including vertebrates.

Teaching and working methods
Lectures and laboratory course. The laboratory course is compulsory and requires active participation.

Examination

LAB1	Laboratory work	1.5 credits	U, G
TEN1	Written examination	4.5 credits	U, 3, 4, 5

Grades

Four-grade scale, LiU, U, 3, 4, 5

Other information

About teaching and examination language

The teaching language is presented in the Overview tab for each course. The examination language relates to the teaching language as follows:

- If teaching language is Swedish, the course as a whole or in large parts, is taught in Swedish. Please note that although teaching language is Swedish, parts of the course could be given in English. Examination language is Swedish.
- If teaching language is Swedish/English, the course as a whole will be taught in English if students without prior knowledge of the Swedish language participate. Examination language is Swedish or English (depending on teaching language).
- If teaching language is English, the course as a whole is taught in English. Examination language is English.

Other

The course is conducted in a manner where both men's and women's experience and knowledge are made visible and developed.

The planning and implementation of a course should correspond to the course syllabus. The course evaluation should therefore be conducted with the course syllabus as a starting point.

Department

Institutionen för fysik, kemi och biologi

Director of Studies or equivalent

Agneta Johansson

Examiner

Matthias Laska

Education components

Preliminary scheduled hours: 56 h
Recommended self-study hours: 104 h

Course literature

Books

Hickman, Keen, Eisenhour, Larson, L'Anson, (2020) *Integrated Principles of Zoology* 18th McGraw-Hill, New York