

Zoology, Morphology and Systematics

Programme course

6 credits

Zoomorfologi

NBIA27

Valid from: 2018 Spring semester

Determined by

Board of Studies for Chemistry, Biology
and Biotechnology

Date determined

Main field of study

Biology

Course level

First cycle

Advancement level

G1X

Course offered for

- Bachelor's Programme in Biology

Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

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: Protozoan, sponges, flatworms, roundworms, 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 including an evolutionary perspective. The diversity of the animal kingdom is exemplified by studies of the following animal groups: Protozoan, sponges, flatworms, roundworms, 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

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|------|---------------------|-------------|------------|
| 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

Department

Institutionen för fysik, kemi och biologi

Director of Studies or equivalent

Agneta Johansson

Examiner

Thomas Östholm

Education components

Preliminary scheduled hours: 60 h

Recommended self-study hours: 100 h

Course literature

Hickman, Roberts, Keen, Larson, Eisenhour: Animal Diversity, 6th ed. (2012), McGraw-Hill. Kompendiematerial producerat vid avdelningen.