Zoology, Morphology and Systematics

Programme course

6 credits

Zoomorfologi

NBIA27

Valid from: 2017 Spring semester

Determined by
Board of Studies for Chemistry, Biology and Biotechnology

Date determined
2017-01-25

Main field of study
Biology

Course level
First cycle

Advancement level
G1X

Course offered for
- Biology, Bachelor's Programme

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

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.