



LUND
UNIVERSITY

Faculty of Science

BIOB02, Biology: Zoology, 12 credits

Biologi: Zoologi, 12 högskolepoäng

First Cycle / Grundnivå

Details of approval

The syllabus was approved by on 2007-04-12 and was last revised on 2015-01-19 by Study programmes board, Faculty of Science. The revised syllabus applies from 2015-01-19, spring semester 2015.

General Information

The course is a compulsory first-cycle course for a Degree of Bachelor of Science in Biology.

Language of instruction: Swedish

Main field of studies

Biology

Depth of study relative to the degree requirements

G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements

Learning outcomes

Knowledge and understanding

On completion of the course the student shall be able to:

- account for and explain the classification, evolution, and phylogenetic relationships of animals
- account for and explain the development, organization levels, and bauplans of animals
- explain the structure and functional adaptations of the organ systems in animals
- describe how and when the animals' organ systems evolved and apply this knowledge in phylogenetic analyses

Competence and skills

On completion of the course the student shall be able to:

- seek information in biological databases
- apply knowledge to answer zoological issues
- carry out simple zoological laboratory sessions
- communicate zoological knowledge orally and in writing

Judgement and approach

On completion of the course the student shall be able to:

- evaluate acquired information and knowledge

Course content

The animal kingdom is studied from an evolutionary and functional perspective. The topics discussed are:

- classification and phylogeny
- the structure and functions of the organ systems
- reproduction and development
- zoological organization levels and bauplans
- laboratory sessions on a selection of vertebrate and invertebrates

Course design

The teaching consists of lectures, group work, and laboratory sessions. Participation in laboratory sessions and group work, and thereby integrated teaching, are compulsory when stated in the course schedule.

Assessment

Examination takes place through written or oral examinations during the course, or written examination at the end of the course, and through compulsory parts. For students who have failed the examination during the course, an additional examination session in close connection to this is offered.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.

To pass the course approved examinations and approved compulsory parts are required

The final grade is decided through a weighing of the results of the parts that are included in the examination.

Entry requirements

For admission to the course, knowledge corresponding to MOBA01 Cell Biology 15 credits, and BIOA01 Genetics and Microbiology 15 credits, is required.

Further information

The course may not be included in a degree together with BIO576 Zoology 10 p (15 credits), BIO502 Organism Biology 2 10 p (15 credits), or BIO504 Zoology 8 p (12 credits).

Subcourses in BIOB02, Biology: Zoology

Applies from V13

- 0711 Animal Development and Taxonomy, 5,0 hp
Grading scale: Fail, Pass, Pass with distinction
- 0712 Animal Physiology, 5,0 hp
Grading scale: Fail, Pass, Pass with distinction
- 0713 Laboratory Work, 2,0 hp
Grading scale: Fail, Pass

Applies from H07

- 0701 Zoology, 12,0 hp
Grading scale: Fail, Pass, Pass with distinction