



Faculty of Health, Science and Technology
Biology

Syllabus

Zoology

Course Code:	BIG006
Course Title:	Zoology <i>Zoologi</i>
Credits:	15
Degree Level:	Undergraduate level
Progressive Specialisation:	First cycle, has only upper-secondary level entry requirements (G1N)

Major Field of Study:

BIA (Biology)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2018-01-31, and is valid from the Autumn semester 2018 at Karlstad University.

Prerequisites

General admission requirements and Mathematics C/3b/3c, Biology A/1 and Chemistry A/1 (field-specific eligibility with the exception of Biology B/2, Chemistry B/2 and Physics A/1), or equivalent.

Learning Outcomes

Upon completion of the course, students should be able to:

- master basic principles, concepts and terminology in zoology,
- give an overview of the evolutionary history of animals on earth,
- give an account of diversity, anatomy, habitats and animal taxonomy,
- give an account of basic physiological mechanisms in animals,
- distinguish between different cell and tissue types through a microscope,
- dissect and identify differences and similarities between animal groups.

Content

The course deals with animal taxonomy and life processes, and provides a survey of the development of life on earth and the origin of eukaryotes and metazoans. The main animal groups are treated in terms of anatomy, phylogeny and systematic classification.

The general principles for the structure of tissues, organs and organ systems with function and regulation in isolation and in interaction as well as the significance of homeostasis are treated. Dissection is performed on typical animals. Diversity and some species and group knowledge of the studied animal groups are exemplified through preparation and microscope studies.

Reading List

See separate document.

Examination

Assessment is in the form of a written exam, and quizzes including histological and microscopic preparations, dissection and skeleton.

Grades

One of the grades Distinction (VG), Pass (G), or Fail (U) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.