

Syllabus

BI1223.1 Animal physiology and function, 7.5 credits

Djurs fysiologi och funktion

The course is given Ethology and Animal Welfare - Bachelor's Programme
Syllabus discontinued 14 December 2018

Version 1 in Slukurs. Corresponds to version 1, 2 and 3 in Ladok

Syllabus approved

3 October 2013

The version applies to students admitted from autumn 2014

The version is not a module version

Subjects

Biology

Education cycle

First cycle

Modules

Title	Code	Credits
Single module	0101	7.5

Advanced study in the main field

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

Grading scale

5:Pass with Distinction, 4:Pass with Credit, 3:Pass, U:Fail

The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

Language

Swedish

Prior knowledge

Knowledge equivalent to 45 credits in biology of which 12 credits is Animal Systematics, morphology and function.

Objectives

On completion of the course, the student should be able to:

- describe the physiology of animals at a general level,
- describe the most common physiological effects of domestication,
- review critically as well as orally and in writing present simple scientific articles and works within physiology,
- discuss what happens physiologically when an animal is stressed,
- make a simple assessment of whether an animal has difficulties to handle stress based on the behaviour and situation of the animal.

Content

The course treats, on a basic level, nervous system, endocrinology, circulation, respiration, digestion, reproduction, kidney physiology and immunology above all in mammals. The course also includes regulatory mechanisms and how the homeostasis of the body is maintained. Comparisons are made between the physiological adaptations of different animal groups and between animals in different environments for example between aquatic and country living animals. The course trains the students' skills in oral and written presentation and the ability to carry out practical laboratory sessions with simple sampling techniques. In the course, lectures, literature seminars, laboratory sessions and base group work according to PBL (problem-based learning) are included. Within the course, the following general skills are trained: written and oral communication, problem-solving and critical review and visual request.

Formats and requirements for examination

Passed written and oral presentation of examination, seminars and laboratory sessions and approved participation in compulsory study visits and base group meetings.

- If the student fails a test, the examiner may give the student a supplementary assignment, provided this is possible and there is reason to do so.
- If the student has been granted special educational support because of a disability, the examiner has the right to offer the student an adapted test, or provide an alternative assessment.
- If changes are made to this course syllabus, or if the course is closed, SLU shall decide on transitional rules for examination of students admitted under this syllabus but who have not yet passed the course.
- For the examination of a degree project (independent project), the examiner may also allow the student to add supplemental information after the deadline. For more information on this, please refer to the regulations for education at Bachelor's and Master's level.

Transitional regulations

- Exams: At least three retake sessions (renewed exams) must be offered within two years of the decision to cancel the course.
- Compulsory elements: At least one opportunity for a retake session must be offered within two years of the decision to cancel the course.

Additional information

The course is coordinated with the course BI0857 Animal physiology, 10 credits

- The right to take part in teaching and/or supervision only applies to the course date to which the student has been admitted and registered on.
- If there are special reasons, the student may take part in course components that require compulsory attendance at a later date. For more information on this, please refer to the regulations for education at Bachelor's and Master's level.

Responsible department

Department of Anatomy, Physiology and Biochemistry

Supplementary Information

Finalized by: Nämnden för utbildning på grund- och avancerad nivå, Fakulteten för veterinärmedicin och husdjursvetenskap

Biology Area: Zoology

Replacement course: BI1211