Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

Syllabus

BI0066.1 Anatomy and Physiology of Domesticated Animals, 22.5 credits

Husdjurens anatomi och fysiologi

The course is given as course independent of study programme

Syllabus discontinued 31 October 2005

Version 1 in Slukurs. Corresponds to version 1 in Ladok

Syllabus approved

10 December 1997

The version applies to students admitted from spring 1999 to autumn 2006

The version is not a module version

Subjects

Biology

Education cycle

First cycle

Modules

Title	Code	Credits
Single module	0101	22.5

Advanced study in the main field

Grading scale

Pass / Failed

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

The equivalent of: 10 Swedish University Credits (SUC) in General and Organic Chemistry, 10 SUC in Biochemistry and 10 SUC in Cell Biology.

Objectives

Having completed the course the students will:
-have good knowledge of the basic anatomy of the most important domesticated animals
-have very good basic knowledge of facts and interactions necessary to understand the function of organs and organ systems in domesticated animals and the most common laboratory animals
-understand physiological functions that affect the production capacity and behaviour of animals
-have knowledge of ethical aspects and legislation concerning the use of animals in research
-have insight into how to plan, accomplish, and present a smaller research project.

Content

During the course the anatomy, histology and physiology of tissues and organs will be considered. The course includes lectures, dissection practices, microscopy practices, practices in groups, demonstrations and educational visits. The main elements in the course include the functions of skeleton, muscles, and nervous system, as well as endocrinology, respiration, circulation, renal physiology, digestion, reproduction, immunology, lactation, growth, and central regulatory mechanisms.

In addition, the course includes projects that are performed in small student groups with one supervisor in each group. The students plan and carry out a research project that includes a literature search. The project is assessed both as an oral presentation and as a written seminar (according to the rules for scientific writing).

The course includes three days of compulsory education concerning the use of animals in research. After approved examination the students obtain a certificate that allows them to accomplish animal experiments (under guidance) during their basic education.

Implementation

Lectures ca 130 h
Seminars ca 20 h (compulsory)
Demonstrations ca 15 h (compulsory)
Practices ca 50 h (compulsory)
Project ca 60 h (compulsory)

Examination

Requirements for examination

Written or oral examination. Written and oral examination of the projects.

Approved examinations according to Examination (see above) and participation in compulsory items.

- 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.

Additional information

- 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: Programnämnden för JLT-fakultetens utbildning, Ultuna
Biology Area: Other Biology Courses