



## Syllabus

### **BI0353.1 Physiology of Domestic Animals, 15.0 credits**

#### **Husdjurens fysiologi**

The course is given as course independent of study programme

Syllabus discontinued 10 May 2007

Version 1 in Slukurs. Corresponds to version 1 in Ladok

#### **Syllabus approved**

22 October 2002

The version applies to students admitted from autumn 2003 to spring 2006

The version is not a module version

#### **Subjects**

Biology

#### **Education cycle**

First cycle

#### **Modules**

<b>Title</b>	<b>Code</b>	<b>Credits</b>
Single module	0101	15.0

#### **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, 10 SUC of basic (A-level) Cellbiology.

## Objectives

With cell function as basis the students will, after completing the course:

- have good basic knowledge of facts and interactions necessary to understand the function of organs and organs systems in humans, foodproducing domesticated animals and laboratory animals.
- understand physiological functions that affect animal production.
- have knowledge of ethical aspects and legislation concerning the use of animals.

## Content

During the first week basic anatomy including dissections is given to students without previous knowledge of anatomy. Students with previous knowledge of anatomy study laboratory animal science during the first week of the course. During the rest of the course the histology and physiology of tissues and organs will be considered. The course includes lectures, microscopy practices, practices in groups, laborative work and demonstrations. 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, lactation, growth and central regulatory mechanisms. The course contains one day of laboratory animal science for students in Food Science.

## Implementation

Lectures ca 65 h

Demonstrations ca 14 h

Microscope ca 6 h

Laboratory work ca 10 h (compulsory)

Group practices ca 20 h (10 h compulsory för students in Biotechnology)

Dissections ca 8 h (compulsory for students in Food Science)

## **Examination**

### **Requirements for examination**

Written or oral examination.

Approved examinations according to Examination (se 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 course is mainly given to students in Biotechnology or Food Science

- 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 bioteknologiprogrammet

*Biology Area:* Other Biology Courses

*Replacement course:* BI0467