



## Syllabus

**VM0011.1 Laboratory Animal Science, 3.0 credits**

### Försöksdjursvetenskap

Version 1 in Slukurs. Corresponds to version 1 in Ladok

### Syllabus approved

16 November 2004

The version applies to students admitted from spring 2005 to autumn 2012

The version is not a module version

### Subjects

Veterinary Medicine

### Education cycle

No specific cycle

### Modules

| Title         | Code | Credits |
|---------------|------|---------|
| Single module | 0101 | 3.0     |

### 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**

Passed examinations from all courses of the 1st year, Practice in Animal Husbandry, Structure and Function of the Body Systems 2nd year, and General Mechanisms of Disease. Participation in Population Medicine.

## **Objectives**

After completion of the course, the student will:

- Have knowledge of the laws and ethical values regarding the use of animals for research purposes.
- Have knowledge of the physiology and medicine of laboratory animals
- Have knowledge of health monitoring and animal models.
- Be able to account for the use of animals in biomedical and applied research as well as for development of products and in education.
- Be able to handle mice and rats and know the suitable sampling and injection techniques for the different species.
- Be able to describe the essential construction and organisation of a laboratory animal facility.
- Have knowledge of the assignments of the laboratory animal veterinarian.
- Have knowledge of different parameters used for evaluating pain, stress and well-being in animals.
- Understand the procedure of planning and performing the ethical evaluation of a research project involving animals.

## **Content**

The course covers legislation, ethics, alternative methods, handling of mice and rats, animal husbandry, breeding, physiology, medicine, diseases, zoonoses and health monitoring of laboratory animals, experimental planning, techniques, pain, stress, well-being, anaesthesia, euthanasia pre- and postoperative care, the assignments of the laboratory animal veterinarian, the use of animals in biomedical and applied research as well as for development of products and in education.

## **Implementation**

The course implementation includes lectures, video films, practical exercises (handling, techniques and autopsies), group exercises with presentations and visits to laboratory animal facilities.

## **Examination**

### **Requirements for examination**

Home examination.

Passed examination and participation in the compulsory parts of the course.

- 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 Clinical Sciences

### **Supplementary Information**

*Finalized by:* Programnämnden för veterinärprogrammet

*Replacement course:* VM7189