



Sveriges lantbruksuniversitet  
Swedish University of Agricultural Sciences

# SLUkurs

## Syllabus

**PVG0015 Laboratory Animal Science, 1.5 credits**

## Syllabus approved

2010-10-05

## Subjects

Animal Science

## Education cycle

Third cycle

## 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

English

## Prior knowledge

Basic biological courses ex. veterinary or MSc Animal Husbandry. Registered as a PhD-student or Master student

## Objective, including learning outcomes

After completion of the course the student should:

-Have good knowledge of the laws and regulations concerning the use of animals

for research purposes.

- Have good knowledge of the necessary paperwork required for using animals for research.
- Have good knowledge of the ethical values concerning the the use of animals for research purposes.
- Have good knowledge of the procedure of planning an experiment and writing an ethical evaluation.
- Have knowledge of different parameters used for evaluating pain, stress and well-being in animals.
- Be able to define and describe the 3Rs (replacement, reduction and refinement)

## **Content**

The course covers:

- Laws and regulations and how to apply for the permissions and the keeping of journals required by law.
- Ethics, ethical evaluation and how to write an ethical application.
- Experimental planning and alternative methods. Stress, pain, pain treatment and well-being.

This includes lectures, videos and practical exercises.

## **Requirements for examination**

Written examination

## **Additional information**

According to the European and Swedish regulations, an education in laboratory animal science is required to be allowed to work with animals used for scientific purposes. This course is therefore mandatory for PhD-students who use animals in their research.

## **Responsible department**

Department of Clinical Sciences