

SLUkurs

Syllabus

PAS0009 Nutrient metabolism and detoxification, 7.5 credits

Syllabus approved

2002-09-12

Subjects

Animal Husbandry

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

PhD-students with basic knowledge at the under-graduate level in physiology, biochemistry and nutrition

Objective, including learning outcomes

The general aim with the course is to increase the students knowledge in animal nutrition and to further stimulate to individual studies in the subject. Also, the course is intended to improve personal skills in scientific writing and oral presentation.

Content

The topics addressed during the course are:

- differences in substrate metabolism in some important organs in the body
- differences in nutrient metabolism in monogastric and ruminant animals
- differences in fuel selection at fasting, rest, production and exercise
- factors affecting nutrient requirements
- possible interactions between nutrient status and health
- sites and mechanisms for detoxification of non-nutritional substances

Requirements for examination

Oral presentations and scientific reports

Additional information

Course structure: Lectures, group work and seminars.

21 September - 27 November 2009, deadline for application 14 September.

Responsible department

Department of Animal Nutrition and Management