

SLUkurs

Syllabus

PVS0092 Comparative metabolism, 2.5 credits

Syllabus approved

2013-01-28

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

PhD students in biology, medicine, nursing, veterinary medicine, animal science and similar

Objective, including learning outcomes

To gain insight in metabolism and metabolic health and disease in different species, metabolism on a cellular level and the relation between metabolism and reproduction.

Content

The course covers metabolic processes, lipid metabolism, insulin resistance and the metabolic syndrome in different species. Metabolic processes in both ruminants and monogastric species will be covered. Comparative aspects on the association between metabolism and reproduction in human and animals will be covered during the CRU symposium on metabolism and reproduction that is included in the course. Current literature in the topic will be discussed in groups during the course, and also presented in groups.

Requirements for examination

Successful completion requires 80% attendance, participation in discussions during lectures, oral presentation of the student's own research and active participation in group discussions.

Additional information

The course is arranged within SLU's Research School in Translational and Comparative Medicine (TCM; www.slu.se/tcm), and in collaboration with Center of Reproductive Biology in Uppsala, CRU.

The course starts with literature studies during week 15 and finishes in the end of week 16. Lectures, exercises and discussions will be scheduled during the period 15 – 19 of April 2013.

Responsible department

Department of Clinical Sciences