

Syllabus

BI7021.1 The locomotion apparatus of the horse - structure and function, 7.5 credits

Hästens rörelseapparat - struktur och funktion

The course is given as course independent of study programme

Syllabus discontinued 4 December 2007

Version 1 in Slukurs. Corresponds to version 1 in Ladok

Syllabus approved

30 October 1996

The version applies to students admitted from spring 1999 to autumn 2008

The version is not a module version

Subjects

Biology

Education cycle

First cycle

Modules

Title	Code	Credits
Single module	0101	7.5

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

General entrance requirements for studies at a Swedish college or university.

Objectives

The objective is to give the students basic knowledge of the:

- normal development and structure and function of the locomotion apparatus (skeleton, joints, muscles) of the horse,
- gaits of the horse
- biomechanical aspects and how physical activities (training) influence the locomotion apparatus
- identification of important anatomical structures by palpation
- interaction between the environment and the locomotion apparatus and biomechanical mechanisms influencing durability and soundness.

Content

The course includes:

- basic histology of bone and muscles
- structure (anatomy) and function of the skeleton, joints and the hoof
- biomechanics of the movements
- conformation and performance
- basic exercise physiology
- lameness prevention and durability

The objective is to integrate structure and function of the locomotion apparatus from a practical point of view. The course comprises lectures, seminars, demonstrations, dissections, palpations and an individually written synthesis on a theme presented during the course.

Implementation

Lectures ca 20 h

Demonstrations ca 20 h

Dissection ca 50 h

Individually written synthesis ca 30 h
Exercises ca 30 h

Examination

Requirements for examination

Oral/practical examination at the end of the course and a written synthesis.

Approved examination and approved written synthesis.

- 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 Anatomy, Physiology and Biochemistry

Supplementary Information

Finalized by: Fakultetsnämnden, V-fak
Biology Area: Other Biology Courses