

Syllabus

VM0058.1 Population medicine, 16.0 credits

Populationsmedicin

The course is given Veterinary Medicine Programme and Veterinary Medicine Programme (admission before 1 July 2007)

Syllabus discontinued 14 December 2018

Version 1 in Slukurs. Corresponds to version 1, 2, 3, 4, 5 and 6 in Ladok

Syllabus approved

28 November 2007

The version applies to students admitted from spring 2008

The version is not a module version

Subjects

Veterinary Medicine

Education cycle

First cycle

Modules

Title	Code	Credits
Single module	0101	16.0

Advanced study in the main field

First cycle, has less than 60 credits in first-cycle course/s as entry requirements (G1F)

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

Passing grades in the following courses: Veterinary Anatomy (basic course) and Introduction to the Veterinary Programme; Basic Medical Biology.

Completion of the course Structure and function of body systems.

Objectives

The course gives a basic understanding of the distribution of diseases in populations and of how genetics and environment influence health, behavior, welfare and production/performance in domestic animal populations.

On completion of the course, the student should be able to

- describe how the genetic background of domestic animals can influence health, reproduction, production/performance and welfare, and describe breeding programs for a sustainable use of domestic animals
- give an overview of normal and abnormal behaviors in domestic animals and use ethological methodology to observe and describe the behavior of domestic animals
- describe the most common animal husbandry forms for farm animals and horses, and how different environmental factors affect the health, behavior, welfare and production of domestic animals.
- use epidemiological methodology to describe the frequency and the distribution of disease and health in populations and to evaluate causal relationships
- use and interpret descriptive and comparative statistical methodology
- compile, evaluate and discuss scientific data critically
- have understanding of, knowledge about and certain experience in practical work with food producing animals.

Content

The course will cover how inheritance and environment influence health, behavior, welfare and production/performance in domestic animal populations, and how these can be measured, described and altered. An introduction to the role of the domestic animals' and to animal health in a global and historical perspective will be given. The course also provides some insight into practical animal husbandry. Theoretical concepts and contexts are highlighted, explained and discussed in lectures. Statistical, epidemiological and genetic calculations are taught in practice sessions. Different animal environments are demonstrated and discussed during study visits. During project work, the student' ability to compile, present and evaluate scientific data is practiced in a group setting. The students are introduced to applied animal husbandry through individual practice.

The course comprises the subjects of epidemiology, statistics, animal breeding and genetics, animal hygiene, ethology, practical animal husbandry, and interdisciplinary parts.

Implementation

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Formats and requirements for examination

Passing grade in oral and written presentation of project work, passing grade in written examination and documented participation in compulsory parts.

- 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.

Transitional regulations

- Exams: At least three retake sessions (renewed exams) must be offered within two years of the decision to cancel the course.
- Compulsory elements: At least one opportunity for a retake session must be offered within two years of the decision to cancel the course.

Additional information

The Veterinary programme applies a predefined study path, and the students are obliged to take the courses in the order given by the programme syllabus.

- 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

Cooperating departments:

Department of Animal Breeding and Genetics

Department of Animal Environment and Health

Supplementary Information

Finalized by: Grundutbildningsnämnden, Fakulteten för veterinärmedicin och husdjursvetenskap

Replacement course: VM0012 och VM7005