

P000017, Grazing and herbivory with focus on domestic ruminants and semi wild herbivores, 3.0 Hp

Syllabus

Finalized by: Finalized by: Fun, 2022-11-14, 2022-11-14

Level within study regulation:

Third cycle

Subject:

- Animal Science

Grading scale:

Pass / Failed

Course language:

Swedish

Entry requirements:

Admitted to a postgraduate program in animal science, biology, veterinary medicine, wildlife, nutrition or related subjects (e.g. chemistry, geology, archaeology), or to a residency program in veterinary medicine

Objectives:

After completing the course the students shall be able to:

- 1) Describe and explain the concepts of herbage intake, behavior and management of grazing herbivores.
- 2) Describe and explain the basic concepts of pasture and grassland management, including the use of grazing animals for landscape preservation.
- 3) Have basic knowledge in how to use practical and scientific tools for estimating and recording herbage intake, feeding behavior and animal performance in herbivores.
- 4) Have practical knowledge in how to apply scientific techniques for herbage characterization and grassland/sward evaluation, qualitatively and quantitatively, including remote sensing methods.
- 5) Should have basic skills to design, plan, perform and conclude a grazing study.
- 6) Have basic knowledge and understanding of behavior and management of wild, semi wild and feral herbivores in natural environments.
- 7) Be able to explain and reflect on the function of grazing animals for biodiversity and resilient food production.

Content:

The course will give insight in the scientific background for understanding grazing with focus on grazing herbivores (mainly domestic ruminants). The students will get familiar with the concepts of herbage availability and quality in an agricultural landscape.

Teaching and practical exercises will give practical knowledge in how to use scientific tools for estimating and recording herbage intake, feeding behavior and animal performance under grazing conditions.

Teaching will be offered by a mix of SLU researchers and international experts within the subject area.

By lectures, demonstrations and in field exercises the students will obtain skills in how to perform scientific techniques for herbage characterization and grassland/sward evaluation including remote sensing methods.

The course has a field-based syllabus, teaching is offered on site (at a farm environment) in a mixture of lectures, excursions demonstrations and practical exercises.

The course is divided in three periods (blocks), Block A for practical teaching on site in the nature and on farm and block B, for lectures and modeling in the classroom and Block C for individual task/projects at home including examination.

Modes of assessment:

The students will present a draft research plan with grazing animals, using the technologies and theories learned at the course. The plan must be sent to the course leader one week prior to examination and subsequently approved. The student will orally present the research plan for students and teachers and get feedback on the design, technologies and evaluation in order to pass the course. Besides the individual project, the practical field exercises and excursions are obligatory, and students shall participate in minimum of 80 percent of the lectures to pass the examination. - If a student has failed an examination, the examiner has the right to issue supplementary assignments. This applies if it is possible and there are grounds to do so.

- The examiner can provide an adapted assessment to students entitled to study support for students with disabilities following a decision by the university. Examiners may also issue an adapted examination or provide an alternative way for the students to take the exam.
- If this syllabus is withdrawn, SLU may introduce transitional provisions for examining students admitted based on this syllabus and who have not yet passed the course.
- For the assessment of an independent project (degree project), the examiner may also allow a student to add supplemental information after the deadline for submission. Read more in the Education Planning and Administration Handbook.

Organisation:

Department of Animal Nutrition and Management

Supplementary information**Other information:**

- The right to participate in teaching and/or supervision only applies for the course instance the student was admitted to and registered on.
- If there are special reasons, students are entitled to participate in components with compulsory attendance when the course is given again. Read more in the Education Planning and Administration Handbook.