

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

Kursplan

Fastställd av: Fastställd av: Fun, 2022-11-14, 2022-11-14

Giltig från och med: 2023V

Utbildningsnivå:

Forskarnivå

Ämne:

- Animal Science

Språk:

Svenska

Behörighetskrav:

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.

Mål:

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.

Innehåll:

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.

Examinationsformer och fordringar för godkänd kurs:

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. - Examinatorn har, om det finns skäl och är möjligt, rätt att ge en kompletteringsuppgift till den student som inte blivit godkänd på en examination. - Om studenten har ett beslut från SLU om riktat pedagogiskt stöd på grund av funktionsnedsättning, kan examinatorn ge ett anpassat prov eller låta studenten genomföra provet på ett alternativt sätt. - Om denna kursplan läggs ned, ska SLU besluta om övergångsbestämmelser för examination av studenter, som antagits enligt denna kursplan och ännu inte blivit godkända. - För examination av självständigt arbete (examensarbete) gäller dessutom att examinatorn kan tillåta studenten att göra kompletteringar efter inlämningsdatum. Mer information finns i utbildningshandboken.

Ansvarig institution/motsvarande:

Institutionen för husdjurens utfodring och vård

Kompletterande uppgifter

Övrig information:

- Rätten att delta i undervisning och/eller handledning gäller endast det kurstillfälle, som studenten blivit antagen till och registrerad på.
- Om det finns särskilda skäl, har studenten rätt att delta i moment som kräver obligatorisk närvaro vid ett senare kurstillfälle. Mer information finns i utbildningshandboken.