



GS-VMAS Newsletter

February, 2019

A new semester has started and GS-VMAS are happy to announce that we will host 18 different subject specific courses at the VH-faculty this year, including a VH-faculty seminar serie (see further info below). We have also introduced a mobility support providing financial support for PhD students taking courses outside of SLU. But even though the year has just begun we are already planning for next year, so for those of you who want to arrange a course in 2020 keep an eye at our [course call](#) later this spring.

GS-VMAS new coordinator

As from January, 2019 we have a new coordinator, Kristina Dahlborn, who is replacing Kjell Holtenius. She will together with Miia Riihimäki and Anne-Lie Blomström help coordinate and further develop GS-VMAS.

Seminar course including all research students and residents at the VH Faculty

The course PVS0132 Seminars in Clinical Sciences, 3 credits, is now extended to include all research in Veterinary Medicine and Animal Science and is open to all research students and residents within this area.

Content

The course is in the form of a seminar series, generally to be held during one hour each Thursday during the spring and autumn semesters. The sessions are also open to all persons interested in the field of Veterinary Medicine and Animal Science (e.g. junior and senior researchers, post-doctoral students, master students and personnel involved in or with an interest in science research at the VH Faculty). Each session will consist of a third cycle student or researcher presenting his or her research (including aim, background, materials and methods, and if available, results, discussion and conclusions). The presentation should aim at being between 25 – 30 minutes in length. At each session one of the participants is introducing the speaker and moderating the following discussion (focused on questions from the audience to the presenting student) that will last for 5 – 20 minutes.

Requirements for examination

Attendance to at least 15 sessions, moderating at least 2 sessions and performing at least 2 oral presentations followed by an open discussion with course participants and other attending staff.

Although PhD students will have priority when it comes to presenting their work we hope that not only PhD students come and attend but that also lecturers, researchers etc come and join the seminars. Our goal is that this serie of research presentations, spanning across all the subjects at our faculty, will provide an exciting insight in to the research performed at VH.

Upcoming PhD courses spring 2019

During the spring 2019 we have the following upcoming courses:

PVS0142 Molecular infection biology, 3 credits

PhD course arranged by Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS)

Course date: May 6 – May 24, 2019
Location: Uppsala

Content

This course addresses molecular aspects of infection biology from a broad perspective, covering for example:

- Different microorganisms such as viruses, bacteria, parasites, fungi and archaea
- Interactions between microorganisms and well as between microorganism and its host.
- Methods used to study these organisms and interactions.

The course is tailored for a broad audience and will include translational aspects. The course is built up of lectures and seminars by invited speakers presenting their current research in molecular infection biology. The speaker will give a basic introduction to their field, present their own research and discuss it. The content of the field as a whole. Part of the seminars will be online videos. The lectures will cover e.g. viruses, bacterial microbiome, parasites, polymicrobial interactions, the susceptibility and the response of the host to infections, and the molecular and physiological events leading to the clearance of microbes or a diseased state.

This course is given to show students how to take inspiration from several different disciplines and techniques and apply it to their own infection biology research. Students will be given examples of cutting edge techniques and how they are applied across a broad range of infection biology fields and encouraged to think about how these techniques can be translated to new applications. The learning and learning activities will be: lectures, group discussions, online videos, analyses of scientific papers and the preparation and presentation of an individual project.

Prerequisites

PhD or MSc students in animal science, biology, veterinary medicine, food science, nutrition, nursing, medicine, infection biology or related subjects, or to a residency program in veterinary science.

Information and application: www.slu.se/gs-vmas-courses
Course leader: Maja Malmberg, maja.malmberg@slu.se

Last date for application: April 8, 2019

Sveinung Ingebrigtsen
Swedish University of Agricultural Sciences
www.slu.se

PVS0158 Statistical Analysis of laboratory and clinical studies, 1.5 credits

PhD course arranged by Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS)

Course date: May 20-24, 2019
Location: Uppsala

Content

This is a practical course in statistical analysis of own data or databases available from previous performed studies. JMP/SAS will be the basic software for statistical analysis. The course covers one week of studies (1.5 ECTS) including lectures, discussions, assignments and student presentations. The students are scheduled full days Monday-Friday and attendance is compulsory. An attendance record of at least 80% is required to pass this course. No video link is provided since discussions and other team efforts are important parts of the curriculum.

The overall objective of the course is to train students to plan and perform suitable statistical analysis of own data, and to have a general understanding of the basic principles for statistical analysis of data from clinical studies and thereby be able to evaluate results presented also in other studies.

Prerequisites

Admitted to a postgraduate program in animal science, biology, veterinary medicine, food science, nutrition, nursing, bioinformatics or similar subjects, or to a residency program in veterinary science. The basic models lectured in an introduction course in medical statistics are assumed knowledge.

Information and application: www.slu.se/gs-vmas-courses
Course leader: Malin Gustavsson, malin.gustavsson@slu.se

Last date for application: April 23, 2019

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PVS0157 Animal locomotion - physiology, pathology, diagnostics and treatments , 3 credits

PhD course arranged by Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS)

Course date: June 10-20, 2019
Location: Uppsala

Content

After completing the course the student shall be able to:

- describe briefly the anatomy and physiology of the locomotor apparatus
- describe how to assess movement in sound and lame animals
- describe techniques for motion analysis in lame animals that can be used in clinical practice
- describe a lameness workup in different companion and production animals
- describe a brief overview of the pathophysiology of common orthopaedic disorders in animals
- describe a brief overview of imaging techniques for common orthopaedic disorders in animals
- describe a brief overview of treatment/rehabilitation options for common orthopaedic disorders in animals
- describe welfare issues related to locomotor problems in production, companion and leisure animals in animals

The course comprises lectures (one week) and literature studies (one week) of the physiology and pathology of the locomotor apparatus (with comparative aspects from the human field), how to assess lameness, diagnose and treat common orthopaedic problems in our animals. By lectures, seminars and practical training the background and principles of objective tools for assessment of lameness in clinical practice and research will be presented. These tools will be demonstrated and taught practically. Welfare issues related to locomotor problems in animals will be covered in lectures and seminars.

Prerequisites

Admitted to a postgraduate program in animal science, biology, veterinary medicine, food science, nutrition, nursing, or related subjects, or to a residency program in veterinary science.

Information and application: www.slu.se/gs-vmas-courses
Course leader: Marie Rhodin (marie.rhodin@slu.se)

Last date for application: May 13, 2019

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PVG0042 Questionnaire Design and Management, 3.0 credits

PhD course arranged by Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS)

Course date: May 6-10, 2019
Location: Uppsala

Content

The course will consist of a series of lectures, exercises and journal discussions. Two key issues related to questionnaire design and management will be covered, as well as methods for evaluating and dealing with missing data. Multiple imputation to handle missing observations will be tackled.

After completing the course the student shall be able to

- describe the principles of questionnaire design
- explain the psychology of respondent communication
- construct questionnaire studies and manage incoming data with high internal and external validity
- explain how missing observations arise in questionnaire studies and their impact on validity
- use multiple imputation methods to handle missing observations

Prerequisites

Admitted to a postgraduate program in animal science, biology, veterinary medicine, food science, nutrition, nursing, or related subjects, or to a residency program in veterinary science.

Information and application: www.slu.se/gs-vmas-courses
Course leader: Jane Morrell, jane.morrell@slu.se

Last date for application: April 8, 2019

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PVS0159 Camelid Reproduction and Reproductive Biotechnologies, 2 credits

PhD course arranged by Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS)

Course date: May 20-24, 2019
Location: Uppsala

Objective:

After completing the course the student shall be able to

- Describe the reproductive tract of camelids and how it compares with other domestic livestock
- Explain the effect of season on reproductive patterns
- Describe the challenges of working with reproduction in camelids
- Discuss the various reproductive biotechnologies that have been used in camelids and comment on their practical applications
- Explain how reproductive biotechnologies could be used to improve living standards and relieve poverty in developing countries

Content:

The course will consist of a series of lectures, practicals and exercises. We also hope to visit an alpaca farm near Uppsala during the course.

Prerequisites

Admitted to a postgraduate program in animal science, biology, veterinary medicine, food science, nutrition, nursing, or related subjects, or to a residency program in veterinary science.

Information and application: www.slu.se/gs-vmas-courses
Course leader: Jane Morrell, jane.morrell@slu.se

Last date for application: April 19, 2019

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PVS0155 Animal Welfare and the UN Sustainable Development Goals, 3.0 credits

PhD course arranged by Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS)

Course date: June 17-20, 2019
Location: Uppsala

Content

After completing the course the PhD students shall be able to

- Analyze relationships between animal welfare and the UN sustainable development goals and integrate animal welfare issues with their relevant sustainable development goals
- Include their own research to animal welfare and the UN sustainable development goals
- Map and present some major knowledge gaps related to animal welfare and sustainable development
- Actively participate in cross-disciplinary discussions on future challenges and solutions related to animal welfare and sustainable development

The course will include 4 days (3 nights) physical meeting in Uppsala, but also reading and individual project work before and after the meeting. It will include workshops and student activating learning activities, and be structured according to the SLU Education on Sustainable Development (ESD) learning competences: System thinking, anticipatory, normative, strategic and interpersonal competences. Activities will include interactions and cross-disciplinary knowledge transfer with other students and at least three international and/or known researchers, at least one working with animal welfare and one working with sustainable development. Although having its primary focus on farm animals, the course will be relevant to students working with all categories of animals.

Prerequisites

Admitted to a postgraduate program in animal science, biology, veterinary medicine, food science, nutrition, nursing, or related subjects, or to a residency program in veterinary science.

Information and application: www.slu.se/gs-vmas-courses
Course leader: Daiana De Oliveira and Michael Jones (daiana.oliveira@slu.se or michael.jones@slu.se)

Last date for application: May 20, 2019

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For more information and on-line application to courses, please visit: www.slu.se/gs-vmas-courses.

Upcoming seminars/workshops spring 2019

We also have an upcoming seminars:

Workshop: Update on Spermatology Research

Workshop arranged by Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS) and CRU.

Date: April 11th, 2019
Time: 13.00-16.30
Location: Ratatosk, VHC, Uppsala

Program

Seminal characteristics of Lusitano horses: similarities and differences to other breeds
Prof Antonio Rocha, University of Porto

Donkey sperm move differently
Assoc Prof Alessandra Rota

Reproductive diseases in livestock
Assoc Prof Joyce Parvievliet

A 3D oviduct model to study sperm-oviduct interaction
Dr Bart Leemans, University of Gent

Information and registration: jane.morrell@slu.se
Contact: Jane Morrell (jane.morrell@slu.se)

Last date for application: April 8th, 2019

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Please visit www.slu.se/gs-vmas-planned-courses for information on upcoming courses and other activities.

SLU's general courses for PhD students

For more information regarding SLU's general courses in transferable skills, please visit <https://internt.slu.se/en/support-services/education/doctoral-education1/doctoral-courses/>

Do you have an idea for a seminar or a workshop?

GS-VMAS have funds available to grant money for seminars and/or workshops. If you have a visiting research partner or an opponent present for a dissertation it may be a great opportunity to combine this with arranging a seminar or workshop.

Please contact us at gs-vmass@slu.se and we will let you know whether there are funds available for your idea.

Requests or suggestions regarding PhD courses 2020

Do you have any requests or suggestions regarding PhD courses for next year, 2020? Please contact us at gs-vmass@slu.se. Deadline to apply for funds for courses 2020 is May 15th and will be announced separately.

Administration of your PhD studies

If you have any questions regarding the administration of your PhD studies, such as registration, crediting for courses, all courses completed in Ladok, you may use Education Services' joint e-mail address for PhD matters: us-phd-vh@slu.se

We are three administrators handling PhD students within the Education Services. We handle all PhD students within VH's departments with the exception of HMM, BT and NJV.

AFB, BVF – Susanna Hallgren
HUV, HGEN – Marianne Lövgren
KV – Susanne Pettersson

All the best from the coordinators and administrators for GS-VMAS

Miia, Anne-Lie, Kristina and Susanna