



GS-VMAS Newsletter

Maj, 2019

As always when the spring begins we at GS-VMAS are now starting to plan for the next year and we hope that many of you are interested in arranging PhD courses at the VH-faculty during 2020, deadline to apply for funding from GS-VMAS is 15th of May. New from this year is our mobility support that help to finance participation in PhD courses at other universities. So far, this year, we have granted seven PhD students mobility support and we have now a second call open (deadline 31st May), so please take this opportunity if you know of interesting and valuable course that you would like to attend during the coming autumn or winter.

Call for organising PhD course 2020

You should all have received a separate mail regarding the interest to organise PhD courses 2020 within GS-VMAS. With this we would like to remind you to send us your "Notice of interest" and/or suggestions for PhD-courses or other PhD-education related activities that you want to organize or wish that someone else can run. We look forward to input from PhD-students, supervisors as well as from all staff at our faculty. We need to receive your suggestions **no later than 15th of May**. If you wish to organize a course please attach a notice of interest, a budget and an estimation of the number of post-graduate students who are potentially interested to attend according to the instructions at GS-VMAS homepage, www.slu.se/gs-vmas-guide-course-organiser.

If you want to organise some other activity such as a workshop or seminar please send an e-mail with a short description of the content and preliminary budget.

Course leader for new seminar and presentation technique course at the VH Faculty

A new VH-faculty seminar and presentation technique course is planned to start January 2020 and the graduate school GS-VMAS is now looking for a course leader for this new exciting assignment!

The course leader should, together with GS-VMAS coordinators and its steering group, plan the course (5% working time from 1st August - 31st December 2019) as well as organize and coordinate the course together with an administrator starting from January 2020 (10% working time).

If you are interested to work as a course leader for this course, send a notice of interest (max 2 pages) to us at GS-VMAS (gs-vmas@slu.se). The notice of interest should include a reason for why the assignment interests you and your views on what such a course could include. Also, include a brief description of yourself and, if applicable, your research area.

We need your interest of notice by May 15th. For more information about the graduate school gs-vmas, see <https://www.slu.se/gs-vmas>. You can also contact us via our mail: gs-vmas@slu.se.


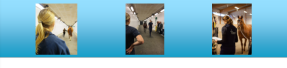
Seminar course PVS0132

As informed in previous newsletter, the course PVS0132 Seminars in Clinical Sciences, 3 credits, has been extended to include all research in Veterinary Medicine and Animal Science and is open to all research students and residents within this area.

Upcoming PhD courses late spring/early autumn 2019

During the late spring/early autumn 2019 we have the following upcoming courses:

Late spring:

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 welfare issues related to locomotor problems in production, companion and leisure animals in animals


The course comprises lectures (one week) on 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

Design: Ingrid Andersson
Sveinbjörn University of Agricultural Sciences
www.slu.se



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:
- Assess relationships between animal welfare and the UN sustainable development goals and integrate animal welfare issues with their relevant sustainable development goals
- Relate 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 a day (3 night) 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) 5 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 internationally well-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.deoliveira@slu.se OR michael.jones@slu.se)

Last date for application: May 20, 2019

Design: Ingrid Andersson
Sveinbjörn University of Agricultural Sciences
www.slu.se


Early autumn:



PVS0160 Equitation science, 4.0 credits

PhD course arranged by Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS) in collaboration with NOVA University Network

Course date: August 12-16, 2019
Location: Equestrian Centre Strömsholm



Content
The course will provide students with scientific and practical tools to be able to identify training methods that are ethical and effective and highlight those that represent problems for horse welfare and human safety. To achieve this, lecturers/seminars will cover topics such as equine ethology, perception and communication, cognition and learning, research methods in equitation science and communication of scientific findings to promote evidence based practice. The course will consist of lectures, group discussions and seminars, including a home assignment and a workshop where theoretical knowledge is put into action to bridge science with practice.

After course completion, students shall be able to:



- describe the horse's biological needs
- discuss and implement an ethological approach to training and welfare assessment
- define and explain learning theory and apply it to training, according to the horse's cognitive and sensory abilities
- define abnormal behaviors, reflect upon the development of abnormal behavior and provide evidence-based solutions to solve the problems
- critically evaluate and update the effects of management and husbandry on horse welfare
- effectively discuss, communicate, and implement an evidence-based approach to human-horse interactions

Prerequisites
Admitted to a postgraduate program or passed academic courses in, i.e., animal, equine, veterinary, agricultural, sports science, biology, veterinary nursing. Equivalent knowledge obtained by other means, i.e., professional riders/coach, full-time or part-time employment in the horse sector. By opening up for participants other than students we will achieve a broader dissemination of knowledge and facilitate collaboration between academia and practice.

Information and application: www.slu.se/gs-vmas-courses
Course leader: Eike Hartmann, eike.hartmann@slu.se

Last date for application: June 10, 2019

Design: Ingrid Andersson
Sveinbjörn University of Agricultural Sciences
www.slu.se

PVS0161 Genomic analyses with emphasis on single-step, 2.0 credits

PhD course arranged by Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS) in collaboration with NOVA University Network

Course date: September 2-6, 2019
Location: Ulls väg 26, Ultuna-Uppsala, Sweden, VHC building, Tanngrisen 2 (floor 5)

Content
This is a course on implementing genomic selection in animal breeding. The same approaches can be used in plant breeding, too. The course includes modeling of genomic analyses, introduction to genomic selection, genomic data simulation and manipulation, methods based on SNP estimation, genomic relationships, theory of single step BLUP and validation methods, and use of BLUPF90 family of programs and training exercises. The course aims to build a strong understanding in application of methods. During the exercises the one can perform data preparation and evaluation of genetic parameters. The attendees are able to build a personal portfolio in use of statistical methods to use in research work or in commitment of breeding programs. Course will be given by prof. Ignacio Misztal, PhD and doc. Daniela Lorenzen, PhD, from University of Georgia, USA, assisted by Sten Erik Andersson, PhD, SLU.

After completion of the course, the student could:


- describe methodologies of different approaches in genomic selection;
- by simulation of genomic data derive real animal breeding of different species;
- perform single step in genomic analysis;
- measure predictability and validate models;
- apply quality control of genomic relationships;
- estimate and use SNPs in genomic best linear unbiased prediction (GBLUP) and genome wide association (GWAS).

Prerequisites
General entry requirements: at least MSc in Animal/Breeding Science or participant in a residency program in veterinary science, animal/breeding or animal/genetic. Specific entry requirements: Participants are expected to have understanding of animal or plant breeding and statistics, and genetic evaluation, and to be familiar with mixed model equations and quantitative genetics. Familiarity with Linux/Unix environments is expected to be an asset.

Information and application: www.slu.se/gs-vmas-courses
Course leader: Sten Erik Andersson, sten.erik.andersson@slu.se

Last date for application: June 28, 2019

Design: Ingrid Andersson
Sveinbjörn University of Agricultural Sciences
www.slu.se



PVG0040 Introduction to qualitative research methods, 3.0 credits

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

Course date: September 9-13, 2019
Location: Uppsala

Content
This course is intended to give an overview and hands-on introduction to qualitative research methods, as used in the social sciences and in health-related research. Methods introduced include individual interviews, focus groups and participant observation, as well as research design, ethical issues, data analysis, mixing qualitative and quantitative methods and writing up findings for publication. The course contains lectures as well as more informal small group and practical sessions that provide a hands-on introduction to conducting interviews, focus groups, observations and computer-assisted data analysis. There is an emphasis on learning through practical tasks and participation.

Day 1 introduces Qualitative Research and Interviewing techniques.
Day 2 covers Study Design (including qualitative sampling) and Focus Groups.
Day 3 focuses on Ethnographic and Observational Methods.
Day 4 focuses on Data Analysis (including coding, thematic analysis and computer-assisted qualitative data analysis).
Day 5 considers Mixing and Integrating Methods. Writing up research findings for publication, and scoping Project Designs in a Structured Workshop.

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: Ulf Emanuelson (ulf.emmanuelson@slu.se)

Last date for application: August 12, 2019

Design: Ingrid Andersson
Sveinbjörn University of Agricultural Sciences
www.slu.se

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:



Seminar: Influence of the metabolic environment and inflammation on reproductive tissues and embryos

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

Date: May 9, 2019

Location: Tanngrisen 2, VHC, Uppsala

Program

13h30 - 13h45 Welcoming participants

13h45 - 14h: CRU & Cell for Life presentation

14h - 14h30: The early embryonic micro-environment: Can in vitro models reflect the in vivo situation? Dr. Jennifer Schön (Leibniz Institute for Farm Animal Biology (FBN), Dummerstorf, Germany)

14h30 - 15h: How confounding factors associated with fat mobilization can affect reproductive tissues? Prof Pieter Eels (University of Arnhem/Nijmegen, Arnhem, the Netherlands)

15h - 15h30: The impact of follicular environment on oocyte competence and embryo quality in dairy cows. Prof PLAM Vos (University of Utrecht)

15h30 - 15h45: Coffee break

15h45 - 16h15: Diabetes mellitus in early Pregnancy: How does it affect uterine and embryonic metabolism? Prof Anne Navarrete Santos (Martin Luther University Faculty of Medicine, Halle, Germany)

16h15 - 16h45: Metabolic and inflammatory determinants of cytological endometritis in Holstein cows during the transition period Prof Andres Valdsman (Estonian University of Life Sciences, Tartu, Estonia)

16h45 - 17h15: Impact of LPS on the transcriptome and epigenome of bovine endometrial epithelial cells Dr. Yongzhi Guo (Department of clinical sciences, SLU)

Information and registration: cru@slu.se

Contact: Patrice Humblot (patrice_humblot@slu.se)

Last date for application: May 6, 2019

Sveagen Institute for Veterinary Medicine
Swedish University of Agricultural Sciences
www.slu.se

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-vmas@slu.se and we will let you know whether there are funds available for your idea.

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 and NJV.

AFB, BVF – Susanna Hallgren

HUV, HGEN – Marianne Lövgren

KV – Susanne Pettersson

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

Mia, Anne-Lie, Kristina and Susanna