Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

Graduate School - Veterinary Medicine and Animal Sciences (GS-VMAS)

LivsID-Kick off - 2018

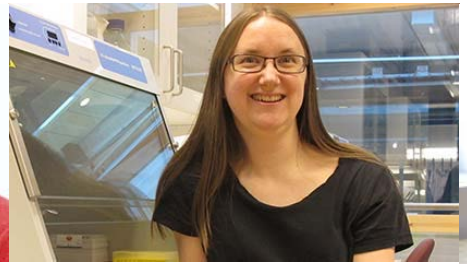
GS-VMAS Organisation:

Three Research Schools at the VH-faculty (DACW, TCM and FFSQ) have from January 1st, 2016 merged into Graduate School VMAS (GS-VMAS).

Coordinators:

Miia Riihimäki, KV

Kjell Holtenius, HUV


Anne-Lie Blomström, BVF

Administration:

Susanna Hallgren, Utbildningsservice

Board: Lena Holm AFB, Torbjörn Lundh HUV, Stefan Örn BVF, Fernando A Lopes Pinto HGEN, Jean-Francois Valarcher KV, Mårten Hetta NJV, Lena Lidfors HMH (suppleant), Linda Tufvesson BT (suppleant).

Phd student representants (elected by SLUSS):

(Kim Jäderkvist Fegraeus), Suvi Mäkeläinen, open position(s).

Contact gs-vmas: gs-vmas@slu.se

GS-VMAS mission

- To organise courses, seminars and workshops for PhD students at the VH-faculty, SLU
- To offer continuing education for supervisors and researchers
- Networking with other research schools within and outside of SLU. Networking with external stakeholders and with other Swedish and international universities.

Courses 2018

GS-VMAS PhD-Courses	Code	Credits (hp)	Dep.	Course leader
Advanced use of Excel	PVG0024	2	HUV	Torsten Eriksson
Animal Assisted Intervention	PVS0153	3	HMH	Lena Lidfors
Basic course for cell culture	PVS0152	2	KV	Yongzhi Guo
Beef and lamb production systems and their impact on meat quality	PVS0149	4	HMH	Katarina Arvidsson Se
Introduction to Bioinformatics	PVS0141	10	HGEN	Erik Bongcam
Construction of trial protocols for controlled clinical trials	PVG0039	1,5	KV	Malin H Gustavsson
Flow cytometry, cell analysis and sorting	PVS0150	5	KV	Anders Johannison
Genome Analysis	PVS0137	10	HGEN	Sofia Mikko
GIS in animal science	PVS0134	2	HUV	Anna Skarin
Introduction to hyperspectral imaging with focus on near infrared spectroscopy in Livestock, Agricultural and Veterinary Sciences	PNS0146	3	NJV	Mårten Hetta
Linear Models in Animal Breeding	PVS0147	3	HGEN	Susanne Eriksson
Microbial Sequencing and Genomics			HGEN	Oskar K Lindsjö
Nutritional Physiology		7,5	HMH	Emma Ivarsson
Orthopaedic diagnostics in animals		3	KV	Marie Rhodin
Reproducibility in Research with a focus on data analysis using the program R	PVG0038	2	HGEN	Elisabeth Jonas
Sperm Quality Evaluation	PVS0151	2	KV	Jane Morrell
Epigenetics and reproduction	PVS0108	1,5	KV	Ylva Sjunnesson
Totalt				

Workshops and seminars 2018

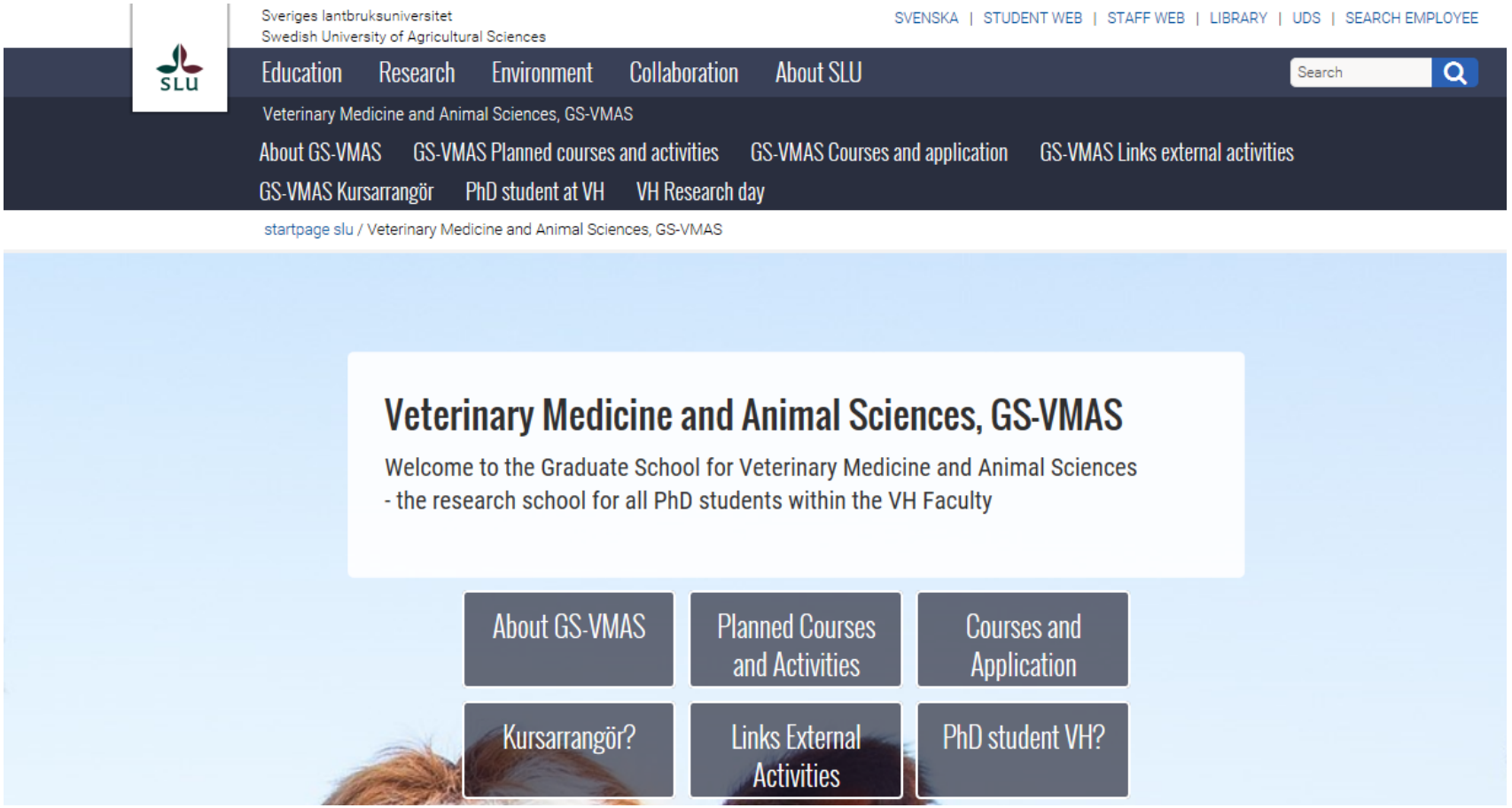
Seminar/workshop			
PhD student seminars and PhD day			
Vävnaders adaptation till belastning under träning och tillväxt			
Seminar Rift valley fever virus			
Seminar Dairy cow nutrition and needs for lactation			
Workshop survival analysis			
Seminarium Breeding and management of dairy cow reproduction – the future			
Seminarium New aspects of diagnosis and treatment of Chronic Kidney Disease in dogs and cats			
Workshop introduction to/visualization in R			
Seminarium Aspects on Reindeer Herding and on their Important Infectious Diseases			
Handledarlunch seminarium			

Coming activities 2019

GS-VMAS PhD-Courses 2019
Introduction to programming in R
Animal Welfare and the UN Sustainable Development Goals
Pain and Physical dysfunction
Introduction to Bioinformatics
Animal ethics
Quality assurance for laboratory work in PhD-projects
Questionnaire design and management
Introduction to qualitative research methods
Statistical Analysis of laboratory and clinical studies
How to read and write a scientific paper
Molecular infection biology
Animal locomotion- fysiology, pathology…
Big data and machine learning (BDML)
Genome Analysis
Advanced use in Excel
Enviromental impact from animal production
Totalt

Seminar/workshop
PhD student seminars and PhD day
How to write your first grant application

GS-VMAS web: www.slu.se/gs-vmas



Course posters

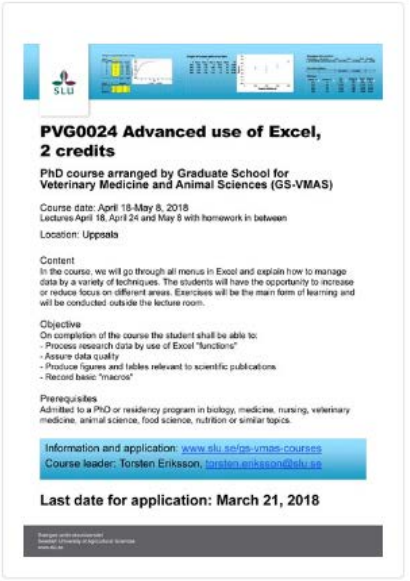
GS-VMAS Planned courses and activities

LAST CHANGED: 13 FEBRUARY 2018

Here you may find an overview of planned courses and activities within GS-VMAS

Planned PhD courses 2018

Upcoming courses and activities within GS-VMAS



PVG0024 Advanced use of Excel, 2 credits

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

Course date: April 18-May 8, 2018
Lectures April 18, April 24 and May 8 with homework in between

Location: Uppsala

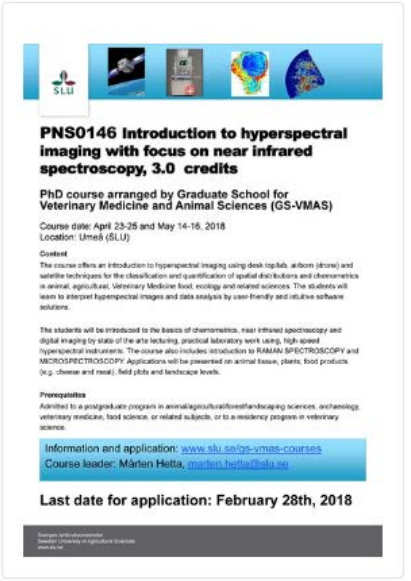
Content
In the course, we will go through all menus in Excel and explain how to manage data by a variety of techniques. The students will have the opportunity to increase or reduce focus on different areas. Exercises will be the main form of learning and will be conducted outside the lecture room.

Objective
On completion of the course the student shall be able to:
- Process research data by use of Excel "functions"
- Assure data quality
- Producer figures and tables relevant to scientific publications
- Record basic "macros"

Prerequisites
Admitted to a PhD or residency program in biology, medicine, nursing, veterinary medicine, animal science, food science, nutrition or similar topics.

Information and application: www.slu.se/gs-vmas-courses
Course leader: Torsten Eriksson, torsten.eriksson@slu.se

Last date for application: March 21, 2018



PNS0146 Introduction to hyperspectral imaging with focus on near infrared spectroscopy, 3.0 credits

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

Course date: April 23-25 and May 14-16, 2018
Location: Umeå (SLU)

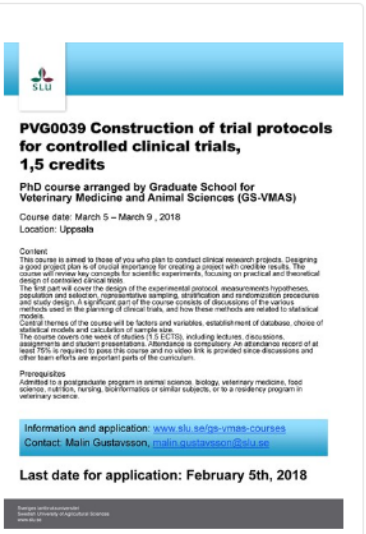
Content
The course offers an introduction to hyperspectral imaging using desk top/lab, airborn (drone) and satellite techniques for the classification and quantification of spatial distributions and chemometrics in animal, agricultural, Veterinary Medicine food, ecology and related sciences. The students will learn to interpret hyperspectral images and data analysis by user-friendly and intuitive software solutions.

The students will be introduced to the basics of chemometrics, near infrared spectroscopy and digital imaging by state of the arte lecturing, practical laboratory work using, high-speed hyperspectral instruments. The course also includes introduction to RAMAN SPECTROSCOPY and MICROSPECTROSCOPY. Applications will be presented on animal tissue, plants, food products (e.g. cheese and meat), field plots and landscape levels.

Prerequisites
Admitted to a postgraduate program in animal/agricultural/forest/landscaping sciences, archaeology, veterinary medicine, food science, or related subjects, or to a residency program in veterinary science.

Information and application: www.slu.se/gs-vmas-courses
Course leader: Mårten Hetta, marten.hetta@slu.se

Last date for application: February 28th, 2018



PVG0039 Construction of trial protocols for controlled clinical trials, 1,5 credits

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

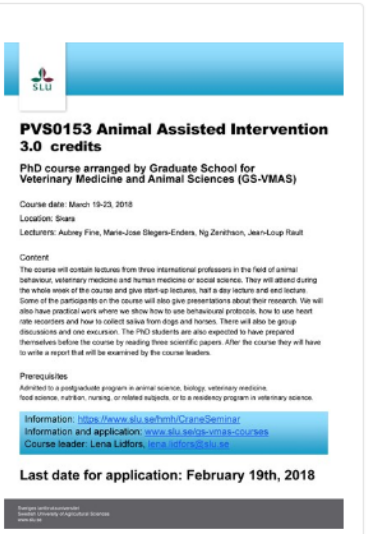
Course date: March 5 – March 9 , 2018
Location: Uppsala

Content
This course is aimed to those of you who plan to conduct clinical research projects. Designing a good project plan is of crucial importance for creating a project with credible results. The course will review key concepts for scientific experiments, focusing on practical and theoretical design of controlled clinical trials.
The first part will cover the design of the experimental protocol, measurements hypotheses, population and selection, representative sampling, stratification and randomization procedures and study design. A significant part of the course consists of discussions of the various methods used in the planning of clinical trials, and how these methods are related to statistical models.
Central themes of the course will be factors and variables, establishment of database, choice of statistical models and calculation of sample size.
The course covers one week of studies (1.5 ECTS), including lectures, discussions, assignments and student presentations. Attendance is compulsory. An attendance record of at least 75% is required to pass this course and no video link is provided since discussions and other team efforts are important parts of the curriculum.

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.

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

Last date for application: February 5th, 2018



PVS0153 Animal Assisted Intervention 3.0 credits

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

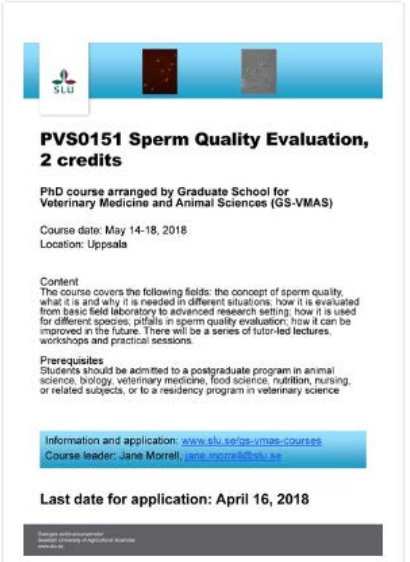
Course date: March 19-23, 2018
Location: Skara
Lecturers: Aubrey Fine, Marie-Jose Slegers-Enders, Ng Zenithson, Jean-Loup Rault

Content
The course will contain lectures from three international professors in the field of animal behaviour, veterinary medicine and human medicine or social science. They will attend during the whole week of the course and give start-up lectures, half a day lecture and excl lecture. Some of the participants on the course will also give presentations about their research. We will also have practical work where we show how to use behavioural protocols, how to use heart rate recorders and how to collect saliva from dogs and horses. There will also be group discussions and one excursion. The PhD students are also expected to have prepared themselves before the course by reading three scientific papers. After the course they will have to write a report that will be examined by the course leaders.

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: https://www.slu.se/ivmh/CraneSeminar
Information and application: www.slu.se/gs-vmas-courses
Course leader: Lena Lidfors, lena.lidfors@slu.se

Last date for application: February 19th, 2018



PVS0151 Sperm Quality Evaluation, 2 credits

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

Course date: May 14-18, 2018
Location: Uppsala

Content
The course covers the following fields: the concept of sperm quality, what it is and why it is needed in different situations; how it is evaluated from basic field laboratory to advanced research setting; how it is used for different species; pitfalls in sperm quality evaluation; how it can be improved in the future. There will be a series of tutor-led lectures, workshops and practical sessions.

Prerequisites
Students should be 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 16, 2018

PVS0149 Beef and lamb production systems and their impact on meat quality 4.0 credits

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

Course date: May 21-25, 2018
Location: Skara

Content
The course integrates various disciplines, such as animal nutrition, animal welfare, animal husbandry, animal health, meat quality, economics and environmental load and impact on sustainable beef and lamb production under Nordic conditions in an international perspective. The course will deliver a holistic understanding of beef and lamb production systems in the Nordic countries with an international perspective by using interdisciplinary research in teaching. Teachers are senior researchers or scientists within agricultural sciences, and they are chosen as they are experts in the topic they are teaching. The course will consist of lectures, group work, excursions, student presentations and reports.

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: Katarina Segerkvist, katarina.segerkvist@slu.se

Last date for application: April 23, 2018

GS-VMAS Courses and application

Graduate School VMAS [Startsidan]

Personalkurser

Visa kalendarium / Show calendar »

Kurser och seminarium / Courses and seminars

Kurser på svenska

Courses in English

- Advanced use of Excel, 2 credits
- Animal Assisted Intervention, 3.0 credits
- Basic course for cell culture, 2 credits
- Beef and lamb production systems and their impact on meat quality, 4.0 credits
- Construction of trial protocols for controlled clinical trials, 1,5 credits
- Epigenetics and reproduction, 1,5 credits
- Flow cytometry, cell analysis and sorting 5 credits
- GIS in Animal Science, 2 credits
- Introduction to bioinformatics 10 credits
- Introduction to hyperspectral imaging with focus on near infrared spectroscopy
- Linear Models in Animal Breeding, 3 credits
- Seminars in Clinical Sciences, 3 credits
- Sperm Quality Evaluation 2 credits

GS-VMAS Newsletter

GS-VMAS Newsletter

GS-VMAS Newsletter

September, 2018

Hope you all have enjoyed the warm summer and are getting ready for the autumn semester. Looking back, GS-VMAS have during the spring helped to arrange eight different PhD-courses at the faculty in addition to seminars and workshops. This will of course continue this semester and you can look forward to several PhD courses as well as to seminars and workshops both for PhD students and researchers. One thing that is new is that we will next year financially support PhD students (maximum five) that wants to take a PhD-course in another country, so if you are intereated in this keep an eye out for our application call later this year.

VH Faculty Research Day

We hope that you all enjoyed the VH Faculty Research Day in May, that GS-VMAS this year helped to arrange. We are happy that so many of you attended, in total 128 registered, and want to give an extra thanks to all the speakers and poster bringers for sharing your interesting and exciting research with us and also especially a big congratulation to Katrina Ask, from the department of Anatomy, Physiology and Biochemistry, who won the PhD student poster award with her poster "Pain assessment in horses with induced lameness".

Upcoming PhD courses autumn and winter 2018

During autumn and winter 2018 we have the following upcoming courses:

- PVS0134 GIS in animal science
- PVS0150 Flow cytometry, cell analysis and sorting
- PVG0038 Reproducibility in Research with focus on data analysis using the program R
- Nutritional Physiology
- PVS0108 Epigenetics and reproduction
- PVS0154 Orthopaedic diagnostics in animals
- PVS0137 Genome Analysis

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

Planned courses within GS-VMAS 2018:

Advanced use of Excel, 2 credits
Animal Assisted Intervention, 3 credits
Basic course for cell culture, 2 credits
Beef and lamb production systems and their impact on meat quality, 4 credits
Introduction to Bioinformatics, 10 credits
Construction of trial protocols for controlled clinical trials, 1,5 credits
Flow cytometry, cell analysis and sorting, 5 credits
Genome Analysis, 10 credits
GIS in animal science, 2 credits
Introduction to hyperspectral imaging with focus on near infrared spectroscopy in Livestock, Agricultural and Veterinary Sciences, 3 credits
Linear Models in Animal Breeding, 3 credits
Microbial Sequencing and Genomics
Nutritional Physiology, 7,5 credits
Orthopaedic diagnostics in animals, 3 credits
Reproducibility in Research with a focus on data produced by R, 2 credits
Sperm Quality Evaluation, 2 credits
Epigenetics and reproduction, 1,5 credits

Upcoming seminars/workshops autumn and winter 2018

We also have a couple of upcoming seminars:

- Workshop introduction to/visualization in R
- Seminarium Aspects on Reindeer Herding and on their Important Infectious Diseases

Aspects on Reindeer Herding and on their Important Infectious Diseases

Welcome to a Research seminar arranged by the Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS)

Date: September 24, 2018, 13:00-16:00

Location: Ratatosk, VHC, Uppsala

For more information: Ann Albihn (ann.albihn@slu.se)

Registration: susanna.westerberg@slu.se

Last date for application: September 19, 2018

GS-VMAS

Introduction to/and visualization in R

The research school GS-VMAS and SLUBI is happy to invite PhD supervisors and other researchers to a workshop dedicated to the R programming language.

Date: Sept 24th, 2018, 09.00 – 16.00. Location: Lärsal U, Ulls hus, Uppsala

Schedule

Morning: Introduction to R

Afternoon: Data analysis and visualization in R

Programming in R

Working with vectors and data frames

Reading and plotting data

Writing your own functions

Loops and conditionals

Using R from the command line

Requirements: Participants must bring a 'laptop' with a Mac, Linux, or Windows operating system (not a tablet, Chromebook, etc.) that they have administrative privileges on.

Setup:

Participants will receive setup instructions after the deadline closes.

Other:

Coffee/tea and a vegetarian lunch sandwich will be served to participants of the workshop.

Registration (before 10th of September): juliette.hayer@slu.se

Other questions: Juliette Hayer, juliette.hayer@slu.se

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

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 HMH, 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, Kjell and Susanna

Education Services VHC (US-VHC)

Utbildningsservice VHC (US-VHC)

Education Services

Education Services VHC is a joint unit for coordination of course administration within the Faculty of Veterinary Medicine and Animal Science, with the responsibility to support the departments with administration of undergraduate and graduate education.

-Administration within GS-VMAS (webb/newsletter, courses)

-Course information into systems (SLUkurs and course application system)

-Reporting PhD courses (full course reporting within our faculty and/or individual course certificate, all courses completed)

-Reporting of activity each semester

Susanna
AFB, BVF

Susanne
KV

Majsan
HUV, Hgen

us-phd-vh@slu.se