



## GS-VMAS Newsletter

December, 2019

*As the year comes to an end we want to thank all the GS-VMAS course leaders and workshop/seminar organisers for their invaluable contributions. We also want to remind about our mobility support - if you plan to take a PhD course outside of SLU (in Sweden or in another country) you can get financial support from GS-VMAS, the deadline for submitting your application for 2020 is 31th of December 2019.*

### New seminar and presentation technique course at the VH-faculty

The new VH-faculty seminar and presentation technique course, *Current research in veterinary medicine and animal science and training in presentation techniques*, is planned to start January/February 2020. Magnus Åbrink from BVF is course leader.

The course will include different workshops related to research presentation techniques - both to a scientific and a non-scientific audience. In addition, research students will also have practical training in giving seminars through presenting at the VH-faculty seminar series.

More information will soon be available at the GS-VMAS web ([www.slu.se/gs-vmas](http://www.slu.se/gs-vmas)).

### Planned courses 2020

For 2020 we have the following planned courses:

GS-VMAS PhD-Courses 2020	Code	Credits (hp)	Dep.	Start of course	End of course
How to write your first grant application	PVG0043	1	KV	200115	200117
Introduction to bioinformatics	PVS0141	10	HGEN	200120	200324
Advanced use of Excel	PVG0024	2	HUV	<i>prel.</i> 200414	<i>prel.</i> 200428
Introduction to programming in R	PVG0025	2	HGEN	200420	200424
Construction of trial protocols for controlled clinical trials	PVG0039	1,5	KV	200511	200515
Statistical Analysis of laboratory and clinical studies	PVS0158	1,5	KV	201012	201016
Infection and Reproduction	PVS0162	3	KV	201102	201113
Genome analysis	PVS0137	10	HGEN	201102	210117
Equitation Science		4	HMH	August	
Spectral techniques for animal, agricultural and veterinary sciences		4	NJV	August - December	
Pain and Physical dysfunction	PVS0138	2	KV	autumn	
Reproducibility in Research with a focus on data analysis using the program R	PVG0038	2	HGEN	autumn	
Comparative Reproductive Biotechnologies	PVS0163	2	KV	November	

Orientation course in the visualization table as an educational technology tool		2	AFB		
Quantitative microbial risk assessment		3	KV		
Reproductive biotechnologies, genomics and production diseases in sheep and goats		2	KV		
How to read and write a scientific paper	PVG0035	1	KV	2021	

More information on when each course will take place will follow and will be updated at the web [www.slu.se/gs-vmas-planned-courses](http://www.slu.se/gs-vmas-planned-courses).

## Mobility support

Time to apply for mobility support if you are planning to attend PhD courses outside of SLU during 2020. Deadline for submission is 31/12, 2019



**GS-VMAS Mobility Support 2020**  
Financial support to PhD students for taking courses outside of SLU

It can sometimes be hard to find suitable PhD courses in ones subject and therefore we at GS-VMAS want to, apart from supporting PhD courses arranged at our faculty, also support PhD students that have found post-graduate courses at other universities both inside and outside of Sweden.

During 2020 GS-VMAS will fund approximate 5-6 PhD students from the VH-faculty participating in postgraduate courses outside of SLU.

To apply for support send us an email ([gs-vmas@slu.se](mailto:gs-vmas@slu.se)) with the following information no later than 31/12-2019:

- Detailed description of the course, include link to course page if available.
- Motivation to why this course is important for the postgraduate studies.
- Certificate from the main supervisor supporting the importance of the visit for the applicants education.
- A budget clearly stating all the costs (maximum 10 000 can be applied for per student)

In January GS-VMAS and its steering board will go through all the different applications and make the selection. The ones who receive funds are expected to provide GS-VMAS with a short report at the end of the course.


Information and application: [gs-vmas@slu.se](mailto:gs-vmas@slu.se)

Last date for application: December 31, 2019

Swedish Institute of Agricultural Sciences  
Swedish University of Agricultural Sciences  
www.slu.se

## Upcoming PhD courses early 2020

During early 2020 we have the following upcoming courses:



**PVG0043 How to write your first grant application, 1.0 credits**

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

Course date: January 15-17, 2020  
Location: Uppsala

**Content**  
The course will consist of a series of short lectures and demonstrations, plus some exercises that the students do themselves in groups, and individually. There is a voluntary written assignment to write a grant application. After completing the course, the student shall be able to:

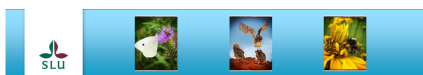
- 1) Describe the different grants that are available
- 2) Explain how to find suitable calls
- 3) Use the information provided in the call to prepare a template for the application
- 4) Describe what the assessors look for in the application
- 5) Explain how to prepare a budget for a grant application
- 6) Describe how to fill in an electronic application form

**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](http://www.slu.se/gs-vmas-courses)  
Course leader: Jane Morrell, [jane.morrell@slu.se](mailto:jane.morrell@slu.se)

Last date for application: December 18, 2019

Swedish Institute of Agricultural Sciences  
Swedish University of Agricultural Sciences  
www.slu.se



**PVS0141 Introduction to bioinformatics, 10 credits**

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

Course date: January 20 – March 24, 2020  
Location: Uppsala

**Content**  
The course aims to give the student a solid foundation in the basic methods of bioinformatics. It will cover the theories, algorithms and practical applications of computer-based methods for analysis of DNA sequences and protein structures. The topics to be covered include:

- biological databases
- homology analysis
- sequence analysis (with emphasis on the package EMBOSS and UGENE)
- statistics and R introduction
- web-based tools for analysis
- the Unix operating system
- phylogeny
- comparative genomics
- functional genomics
- Next Generation Sequencing (NGS)

**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. Some knowledge in biology or cell biology/molecular genetics.

Information and application: <http://www.slu.se/gs-vmas-courses>  
Course leader: Erik Bongcam-Rudloff, [Erik.Bongcam@slu.se](mailto:Erik.Bongcam@slu.se)

Last date for application: January 6th, 2020

Swedish Institute of Agricultural Sciences  
Swedish University of Agricultural Sciences  
www.slu.se

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

## SLU's general basic courses for PhD students

For more information regarding SLU's general courses in transferable skills, please visit the [SLU webpage on Doctoral courses](#).

Below you will find some of the general basic PhD-student courses organized by SLU and planned for spring 2020. The courses are presented in start date order, and the ones not already scheduled are presented at the bottom of the list. Information on how to apply is included in the links below.

Course name and link to syllabus	Start date 2020	Location
• <a href="#">Statistics III: Regression analysis</a>	Jan 13	Uppsala
• <a href="#">Cross-disiplinary perspectives</a>	Jan 20	Online
• <a href="#">Statistical methods – an overview</a>	Jan 20	Alnarp
• <a href="#">How to write and publish a scientific paper</a>	Jan 30	Uppsala
• <a href="#">Statistics I: Basic statistics</a>	March 2	Umeå
• <a href="#">Statistics IV: Generalized linear models</a>	March 2	Uppsala
• <a href="#">To Communicate Science</a>	March 10	Uppsala
• <a href="#">Ethics and Philosophy of Science</a>	April 15	Uppsala
• <a href="#">Basic statistics</a>	May 4	Alnarp
• <a href="#">Popular Science Communication</a>		Alnarp
• <a href="#">Treatment of data in qualitative inquiry</a>		Alnarp
• <a href="#">Information retrieval and methods for scientific communication</a>		Online
• <a href="#">Courses in Education Spring 2020</a>		

## Workshop on How to adapt your PhD course to distance education?

January 28<sup>th</sup> the The Division of Learning and Digitalisation and the Council for PhD education at SLU (FUR) welcome PhD course leaders to a workshop on how to develop your PhD course to be more accessible and more independent of time and location via distance learning methods and tools. For more information and registration: [https://internt.slu.se/stod-service/utbildning/pedagogiskt-och-digitalt-stod/kurser/pedagogiska-kurser/lasmer/?KursID=RE\\_SEM&oid=4](https://internt.slu.se/stod-service/utbildning/pedagogiskt-och-digitalt-stod/kurser/pedagogiska-kurser/lasmer/?KursID=RE_SEM&oid=4)

## 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](mailto:gs-vmas@slu.se) and we will let you know whether there are funds available for your idea.

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

*Miia, Anne-Lie, Kristina and Susanna*