



Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

SLUkurs

Syllabus

PVS0078 Diagnostic preparedness in an outbreak situation, 2.0 credits

Syllabus approved

2012-02-23

Subjects

Animal Science

Education cycle

Third cycle

Grading scale

Pass / Failed

The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

Language

English

Prior knowledge

Accepted as a PhD- or licentiate student, however to gain maximum value from the course a basic knowledge of molecular biology and infectious agents are recommended.

Objective, including learning outcomes

The main objective with this course is to give a general overview of the steps taken in a disease outbreak situation. The focus will be on modern technologies and methods used for pathogen identification.

Content

The course will include lectures on different technologies, such as PCR, Luminex, metagenomics and sequencing, used to identify the agent in an outbreak situation. Introduction to possible significant agents and diseases will also be included as well as lectures describing real outbreak situations. The course will also have a practical lab part including wet lab and sequence analysis through bioinformatics.

Requirements for examination

Participation in both the wet- and computerlab work and in 100% of the lectures. Approved study assignment.

Additional information

Priority will be given to PhD students within AniBiothreat and then to PhD students within the Research School Food and Feed Quality and Safety – however, others are also welcome to apply. Maximum 15 students per course occasion.

The course is organized by AniBiothreat and given together with the Research School Food and Feed Quality and Safety.

For more information about the course please contact: Anne-Lie Blomström at the virology section of BVF, SLU. Last day for registration of the course is 6th of May 2012. Contact information: phone 018-674629 and email anne-lie.blomstrom@slu.se

Responsible department

Department of Biomedical Sciences and Veterinary Public Health