



# PVG0034 Basic laboratory quality assurance for PhD-projects, 1,5 credits

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

Course date: November 27th – December 8th, 2017

Location: Uppsala

### Aim of the course

After completing the course the student should be able to:

- Explain how a basic validation of a laboratory method, for example an ELISA, including determination of inter- and intra-assay variation, linearity and recovery should be performed and be able to interpret the results.
- Describe how their study design and laboratory work should be planned to minimize the effects of inter/intra assay imprecision and/or limited linearity.
- Explain and evaluate meaning and relevance of limit of detection, limit of quantification, limit of blank.
- Use pipettes in a correct way for accurate measurement of substances, including cleaning and control weighing.
- Write a good standard operation procedure (SOP) and “Lab Diary” and describe the purpose and effects these routines may have on their laboratory work.

### Prerequisites

Admitted to a postgraduate program in veterinary medicine, animal science or to a residency or other training program in veterinary science.

Information and application: <http://www.slu.se/gs-vmas-courses>

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## Last date for application: October 30th, 2017

