



SLUkurs

Syllabus

**PVS0010 Application of real-time PCR in veterinary infection biology,
1.5 credits**

Syllabus approved

2004-09-14

Subjects

Veterinary Medicine

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

The course is intended for PhD students whose research project deals with animal infections. EEF students are also welcome. No specific prerequisites.

Objective, including learning outcomes

To give a theoretical and practical introduction to real-time PCR as method to quantify nucleic acids.

Content

The course will cover many aspects of quantification of nucleic acids with special focus on real-time PCR, but other methods of real-time quantification such as Invader Technology, Pad-lock probes and NASBA technology will also be dealt with.

During the practical laboratory part, the participants will learn how to design a real-time PCR system, run this system and evaluate the results.

Requirements for examination

Participation

Additional information

Co-organizer: The Department of Molecular Biosciences

Deadline 18 October 2004

Responsible department

Department of Biomedical Sciences and Veterinary Public Health