Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

SLUkurs

Syllabus

PFG0028 Basic PCR and qPCR theory and applications , 1.5 credits

Syllabus approved

2007-10-26

Subjects

Biology

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 for PhD students with a background in plant cell biology.

Objective, including learning outcomes

During this course, the participants should acquire knowledge about theory, methods and strategies used with different PCR techniques.

Content

Basic PCR and qPCR theory and applications, Data analysis, Primer and probe design and considerations,Optimization of qPCR protocols, Absolute Quantification strategies, Experimental design

Requirements for examination

Participation in lectures and practical exercises

Additional information

Course Organiser
Thomas Moritz, UPSC, Department of Forest genetics and Plant Physiology, SLU

Responsible department

Department of Forest Genetics and Plant Physiology