



Sveriges lantbruksuniversitet  
Swedish University of Agricultural Sciences

# SLUkurs

## Syllabus

**PLG0042 Treatment of data - quantitative material, 4.5 credits**

## Syllabus approved

2012-11-27

## Subjects

Mathematic Statistics

## 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 equivalent of 120 Swedish university credits. Basic course in statistics and preferably the PhD course Research Design are recommended. The course is primarily for biologists at the PhD level who already have collected some data in their research project.

**Objective, including learning outcomes**

The aim of the course is that the student becomes better at handling and analyzing a quantitative material by applying different statistical methods. After the course the student is expected to be more confident about which methods are appropriate for hers/his research and how to apply these.

**Content**

The methods in focus are design of experiments, analysis of variance, regression and multivariate statistical methods. The final content of the course depend on what specific methods and type of data the participants have in their research project.

**Requirements for examination**

Exercises during the course and a written paper/exam related to the students' research project.

**Additional information****Responsible department**

Department of Biosystems and Technology