



Sveriges lantbruksuniversitet  
Swedish University of Agricultural Sciences

# SLUkurs

## Syllabus

**PLG0002 Analysis of Variance and Experimental design, 7.5 credits**

## Syllabus approved

2006-03-16

## Subjects

Statistics, Computer Science and Systems 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

A basic course in statistics.

## Objective, including learning outcomes

After the course the student should be able to plan, analyse and interpret results from simple biological experiments.

## **Content**

Design of biological experiments. Analysis of Variance of experiments with one, two and three fixed or random factors. Multiple comparisons, confidence intervals for selected contrasts. Linear regression and an introduction to multiple regression.

## **Requirements for examination**

Exercises during the course and a written exam.

## **Additional information**

## **Responsible department**

Faculty of Landscape Architecture, Horticulture and Crop Production Science