

SLUkurs

Syllabus

POG0005 Analysis of Variance and Experimental Design, 7.5 credits

Syllabus approved

2002-08-07

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

Swedish

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 final written exam.

Additional information**Responsible department**

Department of Economics