



# SLUkurs

## Syllabus

**PNG0035 Basic SAS-programming, 3.0 credits**

## Syllabus approved

2011-09-12

## 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

None

## Objective, including learning outcomes

This is an elementary course intended to give basic knowledge in SAS-programming and data management. The focus is on data checking, data presentation and data preparation before analysis.

## **Content**

This course covers the basics in SAS-programming and data management, such as

- data import/export from and to external files
- logical statements
- internal SAS-variables, date and character formats
- subsetting and merging SAS datasets
- some base procedures, such as proc univariate, proc means and proc tabulate
- basics on SAS graphic solutions (ods graphics)
- introduction to macro programming and arrays.

## **Requirements for examination**

Marking scale: Pass/Failed

Passed assignments during the course and passed individual project work.

## **Additional information**

Implementation

Lectures and supervised computer exercises approx. 20 h

Examination and evaluation approx. 10 h

Individual project work approx. 20 h

Self studies approx. 30 h

In total approx. 80 h

## **Responsible department**

Department of Economics