



Sveriges lantbruksuniversitet  
Swedish University of Agricultural Sciences

# SLUkurs

## Syllabus

**PFS0022 Advanced Natural Resources Sampling, 7.5 credits**

## Syllabus approved

2006-10-05

## 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

Basic courses in mathematical statistics (corresponding to 30 ECTS) and introductory course in sampling theory is recommended.

## Objective, including learning outcomes

The objective of the course is to provide the participants with good insight and problem solving capability in applying sampling theory for estimating population

characteristics in populations of interest in forestry and natural resource management

### **Content**

Advanced Natural Resources Sampling comprises a short repetition of basic sampling theory, which is then expanded into advanced sampling theory. Like in the basic course a number of applications will be addressed. In addition, the course will be closely linked to ongoing research projects, which will vary over time. The course mainly is a self-study course.

### **Requirements for examination**

Written examination

### **Additional information**

The course is given by an Environmental Certified Department (ISO 14001).

### **Responsible department**

Department of Forest Resource Management