Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

# SLUkurs

## Syllabus

## PFS0044 New Concepts for Managing Forest Production, 8.0 credits

### Syllabus approved

2009-07-06

### Subjects

Product Research

### 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

Students enrolled in a Master or PhD programme

### Objective, including learning outcomes

The course will focus on conifer and broadleaved plantations in cold temperate, temperate, and tropical regions because these are the species and regions where

intensive plantation silviculture is most commonly practiced. The concepts presented will, however, be applicable to any forest ecosystem where site resources and plant material are actively managed. The objectives for the course is:
To train the students in the use of a number of modern techniques to analyse and predict changes in pools and fluxes of carbon, nutrients, and water in forest ecosystems, based on measurements, from above and below of canopy structure and function. The consequences of environmental impacts of altered management systems in forestry and climate change will also be illustrated and discussed.

**Content**

The course will consist of lectures, field measurements and demonstrations, modelling exercises, excursions, discussions, and student presentations. Relevant reading material, which the students are expected to read before arrival, will be sent in advance. A detailed programme will be published before the end of July. The course will give 8 ECTS (European Credit Transfer System) or 2 US Credits.

**Requirements for examination**

Active participation of lectures, field measurements, demonstrations, modelling exercises, discussions, and accepted presentations of assignments.

**Additional information**

The course will be given in Porto Seguro, Bahia, Brazil, 16-27 November 2009. The course is organised by the Swedish University of Agricultural Sciences (SLU) in collaboration with North Carolina State University (NCSU), the University of Sao Paulo (USP), and the Forest Science and Research Institute, Brazil (IPEF).The course is restricted to a maximum of 25 students. Application should be sent no later than 31 of August, including a short CV, to Professor Sune Linder, contact adress below. The course is free including food and lodging, but the participants are expected to fund international or national flights themselves or through their departments. For students from SLU and NCSU some support for travel costs may be available. Further information can be obtained from Professor Sune Linder, Sune.Linder@ess.slu.se or Professor, Jose L. Stape (NCSU), jlstape@ncsu.edu

**Responsible department**

Department of Southern Swedish Forest Research Centre