



Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

SLUkurs

Syllabus

**PNS0093 Production of biomass for energy - quantity and quality aspects,
3.0 credits**

Syllabus approved

2012-02-09

Subjects

Biology

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

The course belongs to the course series of the SLU's "Graduate School Bioenergy", therefore eligible students are PhD students with studies related to all Bioenergy-related disciplines (production of biomass and bioenergy, environmental effects, system analysis, socioeconomics aspects of bioenergy production, biomass engineering etc).

Objective, including learning outcomes

- To give the students a comprehensive, broad and up-to-date overview of the sources of biomass from agriculture, forestry and waste available for biofuel production in Sweden, in Europe and world-wide.
- To illustrate how biofuel quantity and quality can be increased in a sustainable manner.

Content

The major focus of the course is on the available and potential sources of biomass for energy from forestry, agriculture, and from residues that can be used for biofuel production, in a Swedish and global perspective. Additional issues addressed are the further use of these resources and their potential implications on sustainability.

Requirements for examination

Passed/failed level; active participation in preparations before course start (see above), the events during the course week, the final course day, and the project work are required to pass the course.

Additional information**Responsible department**

Department of Crop Production Ecology