

SLUkurs

Syllabus

PNS0040 Life cycle assessment of agrosystems, 3.0 credits

Syllabus approved

2008-12-16

Subjects

Technology

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

Previous knowledge of environmental systems analysis equivalent to Energy analysis and life cycle assessment, 3 hp

Objective, including learning outcomes

The objective of the course is to deepen the knowledge of environmental assessment, especially life cycle assessment, of agrosystems. After the course, the student should be

able to

- discuss methodological issues in life cycle assessment within applications relevant to his/her research topic
- write a literature review based on scientific literature on the subject

Content

Methods and applications of environmental systems analysis of food and bioenergy production and organic waste management are studied in seminars and literature. The students write an essay based on literature studies. Topics covered include system delimitation, global warming potential, marginal data and land use.

Requirements for examination

Attendance in at least 75 % of the seminars, and approved essay

Additional information

Responsible department

Department of Energy and Technology