

Syllabus

BI1004.1 Agricultural cropping systems, 5.0 credits

Jordbrukets växtodlingssystem

The course is given as course independent of study programme

Syllabus discontinued 29 October 2009

Version 1 in Slukurs. Corresponds to version 1 in Ladok

Syllabus approved

2 June 2008

The version applies to students admitted from autumn 2008 to autumn 2010

The version is not a module version

Subjects

Biology/Agricultural science

Education cycle

Second cycle

Modules

Title	Code	Credits
Single module	0101	5.0

Advanced study in the main field

Grading scale

5:Pass with Distinction, 4:Pass with Credit, 3:Pass, U:Fail

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

Equivalent to 180 credits including 90 credits Biology. English skills equivalent to English A from upper secondary school.

As an alternative to the above, equivalent to 60 credits in Biology including 7.5 credits in Ecology and 15 credits in Soil science, or 60 credits in Soil science and 15 credits in Biology including 7.5 credits in Ecology. English skills equivalent to English A from upper secondary school.

Objectives

The course is intended to provide deeper knowledge within the subject area of crop production systems. On completion of the course, students will be able to:

- value current crop production systems, and discuss the demands and possibilities facing the systems of the future.
- describe crop production systems in an historic and geographical perspective.
- interpret and explain results from various methods used to evaluate cropping systems.
- discuss the internal conflicting aims in crop production systems.

Content

The course provides deeper knowledge of the factors and interactions affecting the structure of crop production systems. A large part of the course consists of project work, individual and in groups.

The course offers a review of current national and international crop production systems and of the factors that can be expected to influence such systems in the future. Students will analyse the historical development of a farm and acquaint themselves more fully with various types of crop production systems, e.g. organic cropping systems, high-intensity specialist cropping systems and systems for production of raw materials for bioenergy. The course also includes studies of different methods for assessing crop production systems and analysis of conflicting aims within cropping systems e.g. between intensity, efficiency, economics and environmental impact.

Implementation

Teacher present:

Lectures ca 10 h

Supervision of project work ca 10 h

Introduction and reporting of project work (compulsory) ca 15 h

Introduction and course evaluation ca 5 h

Students' own studies:

Group project ca 30 h

Individual task ca 15 h

Literature studies ca 45 h

Sum ca 130 h

Examination

Requirements for examination

Written and oral reporting of projects and exercises.

Participation in all compulsory components of the course plus approved reports.

- If the student fails a test, the examiner may give the student a supplementary assignment, provided this is possible and there is reason to do so.
- If the student has been granted special educational support because of a disability, the examiner has the right to offer the student an adapted test, or provide an alternative assessment.
- If changes are made to this course syllabus, or if the course is closed, SLU shall decide on transitional rules for examination of students admitted under this syllabus but who have not yet passed the course.
- For the examination of a degree project (independent project), the examiner may also allow the student to add supplemental information after the deadline. For more information on this, please refer to the regulations for education at Bachelor's and Master's level.

Additional information

- The right to take part in teaching and/or supervision only applies to the course date to which the student has been admitted and registered on.
- If there are special reasons, the student may take part in course components that require compulsory attendance at a later date. For more information on

this, please refer to the regulations for education at Bachelor's and Master's level.

Responsible department

Department of Crop Production Ecology

Cooperating departments:

Department of Soil and Environment

Supplementary Information

Finalized by: Programutskottet för naturresursprogrammet- biologi och mark och agronomprogrammets mark/växtinriktning

Biology Area: Other Biology Courses