



Syllabus

Bio447.1 Global crop production, 7.5 credits

Internationell växtodling

The course is given as course independent of study programme

Syllabus discontinued 27 November 2007

Version 1 in Slukurs. Corresponds to version 1 in Ladok

Syllabus approved

26 February 2001

The version applies to students admitted from autumn 2001 to autumn 2008

The version is not a module version

Subjects

Biology

Education cycle

First cycle

Modules

Title	Code	Credits
Single module	0101	7.5

Advanced study in the main field

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

Swedish

Prior knowledge

The equivalent of 40 Swedish University Credits (SUC) of basic (A-level) and intermediate (B-level) courses in biology including crop production.

Objectives

- have knowledge about the conditions and limits for crop production in a global perspective
- have knowledge about management of the worlds main food and forage crops
- be able to discuss management of important weeds crop diseases
- be able to evaluate the potential and environmental effects of the worlds main cropping systems including intercropping

Content

The content of the course covers a wide spectra of aspects concerning conditions, potentials and limits for crop production in different parts of the world, more specifically, in terms of climate, cropping system, management of weeds and crop diseases, biodiversity and new breeding technology. The management of the world´s main crops, primarily wheat, rice, maize, oil crops, potatoes, grain legumes and forage crops are studied. The production potential and environmental impacts of the worlds main cropping systems including intercropping are discussed as well as potential risks with different changes in the cropping system. Most important weeds and crop diseases, species, life forms, damages and control are considered. The course focuses on crop production in both temperate and tropical regions. Lectures, given by experts in their different fields are combined with literature seminars, studying of tropical crops with an interactive CD-ROM and writing an individual paper.

Implementation

Lectures 40 h

Exercises 30 h (compulsory)

Individual paper 30 h (compulsory)

Examination

Requirements for examination

Written and/or oral examination, and passed practicals.

Participation in compulsory course components. A grade of pass on exercise tasks and tests.

- 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

An interactive tool (CD-ROM) for studying of tropical crops programme will be used in the course.

- 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

Supplementary Information

Finalized by: Programnämnden för agronomprogrammet

Biology Area: Other Biology Courses

Replacement course: BI0298