Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

Syllabus

UU0019.1 Identification and assessment of biological diversity (contract education), 7.5 credits

Identification and assessment of biological diversity (uppdragsutbildning)

Version 1 in Slukurs. Corresponds to version 1 in Ladok

Syllabus approved

20 May 2005

The version applies to students admitted from autumn 2005 to autumn 2008

The version is not a module version

Subjects

Other Subjects

Education cycle

No specific 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

English

Prior knowledge

The equivalent of 120 Swedish University Credits (SUC) (or 180 ECTS credits) in one of the subjects biology, agriculture, forestry, nature conservation or equivalent and the course Introduction, 3 credits (4.5 ECTS credits).

Objectives

After completing the course module Identification and assessment of biological diversity the student will:
- have thorough understanding of and be able to define the components of biological diversity at all levels of organization,
- be able to use relevant tools/methods for identification and assessment of biological diversity,
- have a deeper understanding of different values of biological diversity,
- have insights in relevant processes that affect identification and assessment of biological diversity,
- have been introduced to and given the basis for further advanced knowledge in geographical information systems (GIS).

Content

The course module Identification & assessment of biological diversity will cover the following issues:
- the implementation of CBD concerning identification and monitoring of biological diversity,
- different levels of biological diversity: genes, species and ecosystems and related processes,
- the status and development of relevant international processes such as the Global Biological diversity Information Facility (GBIF), Global Taxonomy Initiative (GTI), Clearing House Mechanism (CHM), and Swedish Species Information Centre,
- economic and intrinsic values of biological diversity, as well as scientific knowledge versus traditional knowledge,
- concepts such as indicator species, key species and flagship species,
- measurements and indices of biological diversity,
- methods to study and describe genetic diversity,

- understanding of different inventory methods and how they can be used to analyze and assess the status of biological diversity,
- the status and development of institutions engaged in the identification and assessment of biological diversity,
- the basics of bioprospecting in relation to access and benefit sharing,
- the establishment of red lists, databases etc.,
- methods for estimating biological diversity in environmental impact assessment (EIA) and CBD guidelines (article 14) on biological diversity and EIA,
- basic concepts and tools in geographical information systems (GIS).

Implementation

Lectures about 25 h
Group work/exercise about 20 h (compulsory)
Seminars about 15 h (compulsory)
Field trips/study visits about 40 h (compulsory)
Project work equivalent to 24 hours of work (compulsory)

Examination

Requirements for examination

The course will be examined through written and oral presentations of exercise reports, literature reviews and project results, as well as a final written test.

Approved written and oral presentations of exercise reports, literature reviews and project results, final written test, and participation in compulsory components.

- 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

Swedish Biodiversity Centre

Supplementary Information

Finalized by: Grundutbildningsnämnden, Fakulteten för naturresurser och lantbruksvetenskap