

Syllabus

UU0031.1 Identification and assessment of biological diversity (contract education), 10.0 credits

Identification and assessment of biological diversity (uppdragsutbildning)

Version 1 in Slukurs. Corresponds to version 1 in Ladok

Syllabus approved

12 September 2007

The version applies to students admitted from autumn 2007 to autumn 2011

The version is not a module version

Subjects

Environmental science

Education cycle

Second cycle

Modules

Title	Code	Credits
Single module	0101	10.0

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 180 ECTS credits including 90 ECTS in one of the subjects biology, agriculture, forestry, nature conservation or equivalent. High proficiency in both written and spoken English documented in an internationally recognized proficiency test.

Objectives

After completing the course the student shall be able to:

- Define, in written form and/or orally, the components of biological diversity at all levels of organization, from genes to ecosystems.
- Critically discuss and define, orally and/or in written form, different values of biological diversity.
- Describe and explain, in written form and/or orally, relevant ways to identify and assess biological diversity.

Content

The course will cover the following issues:

- the implementation of CBD concerning identification and monitoring,
- different levels of biological diversity: genes, species and ecosystems and related processes,
- the ecology of species communities, and measurements of diversity at community level,
- 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,
- the status and development of institutions engaged in the identification and assessment of biological diversity, and their products such as red lists and databases,
- economic and intrinsic values of biological diversity,
- scientific knowledge versus traditional knowledge,
- the value and valuation of biological diversity in different societies
- measurements and indices of biological diversity, including concepts such as indicator species,

- environmental impact assessment (EIA),
- basic concepts and tools in geographical information systems (GIS).

Implementation

Scheduled activities:

Lectures approx. 80 h

Exercises approx. 25 h (compulsory)

Seminars approx. 25 h (compulsory)

Excursion approx. 25 h (compulsory)

Examination approx. 10 h

Evaluation approx. 5 h

Group activities outside scheduled time:

Group project work approx. 20 h

Self tuition:

Independent studies approx. 20 h

Literature studies approx. 60 h

Sum approx. 270 hrs

Examination

Requirements for examination

Written and/or oral examinations, reports and presentations, and active participation in obligatory meetings and tasks.

Approved written and/or oral examinations, reports and presentations. Approved active participation in obligatory meetings and tasks.

- 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: Utbildningsnämnden, Fakulteten för naturresurser och lantbruksvetenskap

Replacement course: UU0019 samt UU0020