

Syllabus

Bio844.2 Biology and environmental science - introduction, 10.0 credits

Biologi och miljövetenskap - introduktion

The course is given Biology and Environmental Science - Bachelor's Programme Version 2 in Slukurs. Corresponds to version 2 in Ladok

Syllabus approved

22 November 2011

The version applies to students admitted from autumn 2012 to autumn 2013

The version is not a module version

Subjects

Biology/Environmental science

Education cycle

First cycle

Modules

Title	Code	Credits
Single module	0201	10.0

Advanced study in the main field

First cycle, has only upper-secondary level entry requirements (G1N)

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

Knowledge equivalent to general entry requirements and specific entry requirements from upper secondary school according to field-specific entry requirements 14: Biology B, Physics A, Chemistry B, Mathematics D alternative field-specific entry requirements A11: Biology 2, Physics 1a or Physics 1b1+1b2, Chemistry 2, Mathematics 4.

Furthermore weighted courses according to the different field-specific entry requirements are taken into account.

Objectives

The aim of the course is to give an introduction to the education and higher education in biology and environmental science and to give an orientation in issues that concern the using natural resources and work with environment and nature conservation in public authorities and company. The aim of the course is also to give insights in possible future profession exercise to give an introduction to statistics and to give an exercise in written and oral presentation.

On completion of the course, the student should be able to

- describe at a general level forest - and the natural resources of the agricultural landscape and how these are used and be able to identify problems that concern using natural resources
- describe at a general level the use of the water as resource and the effect of human activity on the water resources
- account for Sweden's geological structure at a general level
- explain basic concept in describing statistics and have ability to interpret graphical production of statistics
- search and acquire literature on research libraries and in digital databases
- interpret cartographic information and be able to state type of map that are used at the national level
- present work performed in groups both oral and written

Content

The lectures of the course, and where appropriate exercises, treats

- overview over our biological and geological natural resources, their occurrence

and how they are used to generate goods and services

- the water as resource and human influence on the water balance and the water quality
- introduction to describing statistics
- introduction to cartography and interpretation of different type of map
- general library science and study technique
- introduction to oral presentation and essay writing

On field trips, farms, company, public authorities and natural environments are visited to increase the knowledge of the use and the administration

Implementation

Scheduled activities

Lectures

approx. 30 Hours

Lessons

approx. 35 Hours

Compulsory

Exercises

approx. 20 Hours

Compulsory

Supervision and presentation of project work

approx. 10 Hours

Compulsory

Study visit

approx. 20 Hours

Compulsory

Examination and evaluation

approx. 10 Hours

Compulsory

Study tour, 3 days

approx. 25 Hours

Compulsory

Supervision, individually

approx. 5 Hours

Individual studies, not scheduled

Literature studies

approx. 75 Hours

Individual tasks

approx. 40 Hours

Total

approx. 270 Hours

Formats and requirements for examination

Passed project work and passed presentations of exercises and project work and participation in compulsory parts.

- 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 Soil and Environment

Cooperating departments:

Department of Forest Products

Department of Aquatic Sciences and Assessment

Department of Ecology

Department of Soil and Environment

Supplementary Information

Finalized by: Utbildningsutskottet för ekologi, mark och miljö

Biology Area: Other Biology Courses

Replacement course: BI0844