



LUND
UNIVERSITY

Faculty of Science

BIOC05, Biology: Nature Conservation, 15 credits

Biologi: Naturvård, 15 högskolepoäng

First Cycle / Grundnivå

Details of approval

The syllabus was approved by Study programmes board, Faculty of Science on 2016-12-29 to be valid from 2016-12-29, autumn semester 2017.

General Information

The course is an elective course for a degree of Bachelor of Science in Biology and Environmental Sciences.

Language of instruction: Swedish

Main field of studies

Environmental Science

Biology

Depth of study relative to the degree requirements

G2F, First cycle, has at least 60 credits in first-cycle course/s as entry requirements

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Learning outcomes

The overall aim of the course is that the student should understand the societal impact on Swedish nature, including forestry and agriculture, as well as the need and organisation of nature preservation.

Knowledge and understanding

On completion of the course the student shall be able to:

- at a general level describe the legislation for protection and preservation of fauna, flora, and biotopes
- describe how the cultural landscape has developed and over what time scale, as well as identify the different types of land use that have occurred historically
- account for political aims and policy instruments, and management methods, of the current forestry and agriculture, the economic conditions for the land users, and the influence land users have on flora and fauna
- describe how physical planning at municipal level is carried out, which instances that are involved, and which plans the municipality has to its disposal

Competence and skills

On completion of the course the student shall be able to:

- search relevant information about nature conservation and nature conservation work at municipal level via internet
- set up aims for preserving different biotopes
- plan, carry out and present projects in nature conservation

Judgement and approach

On completion of the course the student shall be able to:

- demonstrate understanding of, and analyse, the view of nature, and its use by non biologists
- critically review and evaluate the interests by different groups regarding issues related to conservation biology

Course content

The function of the County Administrative Board and the Swedish Environmental Protection Agency. Sweden's environmental goals. Threatened biotopes and threatened species in Sweden. The development of the cultural landscape and the development of agriculture during the 20th century. The development of forestry during the 20th century, and the current forestry legislation. Current management of Swedish forests. Environmental certification of forestry. The fauna and the environment. Hunting, hunting legislation and wildlife management. Case studies of conservation actions. Restoration and preservation of biotopes in an international perspective. Physical planning at the municipal level in Sweden. Various plans for land use at the municipality, and the tasks and position of the municipality ecologist.

Training in oral and written communication takes place continuously during the course.

Course design

The teaching consists of lectures, field trips, field exercises, seminars, group work and projects. Participation in field exercises, field trips, seminars, group work, project work and associated parts, is compulsory.

Assessment

Examination takes place continuously during the course through compulsory parts and examinations.

For students who have not passed the regular examination, an additional examination in close connection to this is offered.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.

To pass the entire course, approved examinations and approved compulsory parts are required.

The final grade is decided through a weighing of the results on the examinations, exercises, and projects.

Entry requirements

For admission to the course, 90 credits of scientific studies including knowledge corresponding to BIOC02 Ecology 15 credits, are required. Swedish 3.

Further information

The course may not be included in a degree together with BIOR23 Nature Conservation 15 credits.

Subcourses in BIOC05, Biology: Nature Conservation

Applies from H17

- 1601 Theory, 7,5 hp
Grading scale: Fail, Pass, Pass with distinction
- 1602 Exercises and Assignments, 7,5 hp
Grading scale: Fail, Pass, Pass with distinction