



**LUND**  
UNIVERSITY

Faculty of Science

## **BIOR23, Biology: Nature Conservation, 15 credits**

*Biologi: Naturvård, 15 högskolepoäng*

Second Cycle / Avancerad nivå

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### **Details of approval**

The syllabus was approved by Study programmes board, Faculty of Science on 2007-03-01 and was last revised on 2016-01-24. The revised syllabus applies from 2016-01-24, spring semester 2016.

### **General Information**

The course is an optional second-cycle course for a degree of Bachelor or Master of Science in Biology and Environmental Sciences.

*Language of instruction:* Swedish

*Main field of studies*

Biology

Environmental Science

*Depth of study relative to the degree requirements*

A1N, Second cycle, has only first-cycle course/s as entry requirements

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### **Learning outcomes**

The overall aim of the course is understanding the influence of society, forestry and agriculture on Swedish natural areas, as well as their effects on the need for, and types of, nature conservation.

### **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 physical planning at municipal level is carried out, which instances that are involved, and which plans the municipality has to its disposal

- describe how the cultural landscape has developed and the time-scale involved, as well as identify the different types of land-use that have existed historically
- account for political goal-setting and controls, management techniques for today's agriculture and forestry, and the economic conditions for industry as well as the effects of industry on flora and fauna
- account for the processes influencing the dispersal and preservation of organisms on landscape level

### **Competence and skills**

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

- search relevant information via internet
- set up aims for preserving different biotopes, and write a conservation plan to achieve these aims

### **Judgement and approach**

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

- understand and be able to analyse the view of nature and its use by non-biologists
- identify and evaluate the interests by different groups regarding issues in conservation biology

### **Course content**

Physical planning at the municipal level in Sweden. Areas of responsibility of the County Administrative Board and the Swedish Environmental Protection Agency. EU support to agriculture. Sweden's environmental goals. Different municipal plans for land use, and the municipal ecologist's professional responsibilities and standpoint within a local authority. The development of the cultural landscape and agricultural development during the 20th century, and a comparison of conventional and organic farming. The development of forestry during the 20th century, and current forest conservation legislation. How forestry is run in Sweden today. Environmental certification of forestry. Fauna and the environment. The shooting of game and the legislation governing it, and game conservation. Types of endangered natural areas and endangered species in Sweden.

Case studies of nature conservation measures. Restoration and conservation from an international perspective.

Oral and written communication is practised continuously during the course.

### **Course design**

The teaching consists of lectures, field exercises, seminars, group work, and projects. Participation in field exercises, seminars, group work, and projects, and thereby other integrated teaching, 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, approved written assignments, approved project report, and participation in all 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 basic course 15 credits is required, and Swedish 3.

## **Further information**

The course may not be included in a degree together with BIO641 Nature Conservation 15 credits.

## Subcourses in BIOR23, Biology: Nature Conservation

Applies from H15

- 0721 Theory, 7,5 hp  
Grading scale: Fail, Pass, Pass with distinction
- 0722 Exercises and Assignments, 7,5 hp  
Grading scale: Fail, Pass, Pass with distinction

Applies from H13

- 0711 Theory, 7,5 hp  
Grading scale: Fail, Pass
- 0712 Exercises and Assignments, 7,5 hp  
Grading scale: Fail, Pass, Pass with distinction