



**LUND**  
UNIVERSITY

Faculty of Science

## **BIOR73, Biology: Bryophyte Morphology and Identification, 5 credits**

*Biologi: Mossor - morfologi och artidentifiering, 5 högskolepoäng*  
Second Cycle / Avancerad nivå

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### **Details of approval**

The syllabus was approved by Study programmes board, Faculty of Science on 2013-01-21 to be valid from 2013-01-21, spring semester 2013.

### **General Information**

The course is a part of a Nordic Master's programme in Biodiversity and Systematics (organised by Nordic Academy of Biodiversity and Systematics Studies ? NABIS). The course is also an optional second-cycle course for a degree of Bachelor or Master of Science in Biology. The course is offered as a single subject course. The language of instruction is English.

*Main field of studies*

Biology

*Depth of study relative to the degree requirements*

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

### **Learning outcomes**

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

- account for the biodiversity of bryophytes (mosses, liverworts and hornworts) from a phylogenetic perspective
- name common species and describe their habitat
- describe elementary traits related to bryophyte biology (morphology, reproduction, genetics, ecology)
- identify bryophytes using determination keys and scientific floras
- apply scientific botanical terminology
- search and analyse taxonomic information from internet-based scientific databases

- evaluate morphological traits based on their potential usefulness in species identification

## Course content

The aim of the course is to provide a broad knowledge about bryophyte diversity and the methods and principles used in species identification.

The course contains:

1. Introduction (web-based studies)  
General morphology, terminology and phylogeny.

1. A field course

Identification of species from representative habitats with focus on different taxonomic groups.

## Course design

The course is divided into three teaching modules, each corresponding to approximately one week of studies. The first two modules are web-based. These modules contain study instructions, lectures, exercises and a written assignment. All written assignments are examined, approved and graded. The third module is a field course that ends with a test assessing the students' ability to identify species.

## Assessment

*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 written assignment, approved species identification test, as well as participation in at least 80% of the field course are required.

The final grade is decided through a weighing of the results on the written assignment and the species identification test.

## Entry requirements

For admission to the course, 90 credits of scientific studies including 10 credits in botany, and English B/English 6, are required.

### **Further information**

The course is partly web-based and is given full-time.

For students with an education for professions in biology, alternative entry requirements can give admission to the course.

## Subcourses in BIOR73, Biology: Bryophyte Morphology and Identification

Applies from H13

1301 Bryophyte Morphology and Identification, 5,0 hp  
Grading scale: Fail, Pass, Pass with distinction