



LUND
UNIVERSITY

Faculty of Science

BIOR97, Biology: Bryophyte Morphology and Identification, 5 credits

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

Details of approval

The syllabus was approved by Study programmes board, Faculty of Science on 2023-06-08 to be valid from 2023-06-08, autumn semester 2024.

General Information

The course is a part of a Nordic Master's program in Biodiversity and Systematics (organized by the 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.

Language of instruction: 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

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

Knowledge and understanding

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)

Competence and skills

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

- identify bryophytes using determination keys and scientific floras
- apply scientific botanical terminology
- search and analyse taxonomic information from internet-based scientific databases

Judgement and approach

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

- evaluate morphological characters for their potential use in species identification

Course content

The course starts with web-based studies including general morphology, terminology and phylogeny.

During the final field course the student practice identification of species from representative habitats with focus on different taxonomic groups.

Course design

The teaching consists of lectures, exercises, field work and assignments. Participation in exercises, field work and assignments, and associated components is compulsory.

The course is partly web based with support from a learning platform and digital tools. The student is assumed to participate on these conditions, using a computer with internet access, loudspeaker, microphone and web camera. The department can give information about technical specifications. The course also include a field-work module with compulsory exercises and a written test performed on campus in Lund.

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. The third module is a field course that ends with a test assessing the students' ability to identify species.

Assessment

The assessment is based on the written test at the end of the course, written assignments during the course and through compulsory components. Students who do not pass an assessment will be offered another opportunity for assessment soon thereafter.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

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 written 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 written test.

Entry requirements

For admission to the course, 90 credits of scientific studies including 10 credits in botany. English 5.

Further information

The course is a part of the Nordic Master's program in Biodiversity and Systematics (organised by the Nordic Academy of Biodiversity and Systematics Studies NABIS). The course is partly web-based and is given full-time.

The course may not be included in a degree together with BIOR73 Bryophyte Morphology and Identification 5 credits.

The course is given by the Department of Biology, Lund University

Subcourses in BIOR97, Biology: Bryophyte Morphology and Identification

Applies from H24

2401 Written test and assignments, 5,0 hp
Grading scale: Fail, Pass, Pass with distinction