Faculty of Science

BIOR73, 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 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	*Depth of study relative to the degree requirements*
Biology	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