

Botany: Systematics and Function of Plants

Programme course

6 credits

Botanik: växternas systematik och funktion

NBIB47

Valid from: 2017 Spring semester

Determined by

Board of Studies for Chemistry, Biology
and Biotechnology

Date determined

2017-01-25

Main field of study

Biology

Course level

First cycle

Advancement level

G1X

Course offered for

- Biology, Bachelor´s Programme

Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

Prerequisites

General Chemistry, 30 credits and Biology, 30 credits (Cell Biology, Genetics, and Microbiology)

Intended learning outcomes

After completion of the two courses in botany the student have acquired an over all view of structure and function in plants by studies of the structure, systematics, plant evolution and physiology of plants. The courses deals with the classical botanical disciplines.

Course content

This course includes the most important photosynthesizing groups in the Kingdom Plantae, including their evolution. The course deals with anatomy of plants linked to the function of the different systems. Also plant growth and development, transport of water and nutrients is treated.

Teaching and working methods

Lectures, excursion, laboratory work and seminar.

Examination

LAB1	Laboratory course with test	1.5 credits	U, G
TEN1	Written examination	4.5 credits	U, 3, 4, 5

Grades

Four-grade scale, LiU, U, 3, 4, 5

Department

Institutionen för fysik, kemi och biologi

Director of Studies or equivalent

Agneta Johansson

Examiner

Kjell Carlsson

Course website and other links

<https://www.ifm.liu.se/edu/biology/>

Education components

Preliminary scheduled hours: 54 h

Recommended self-study hours: 106 h

Course literature

Evert och Eichhorn. 2013. Raven Biology of Plants (8th) Rekommenderad: Perry, Morton. 1998. Photo Atlas for Biology el liknande.

Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.