Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

Syllabus

BI4260.1 Functional Genomics, Theory, 7.5 credits

Funktionsgenomik, teori

The course is given as course independent of study programme

Syllabus discontinued 23 October 2007

Version 1 in Slukurs. Corresponds to version 1 in Ladok

Syllabus approved

10 October 2000

The version applies to students admitted from spring 2000 to autumn 2008

The version is not a module version

Subjects

Biology

Education cycle

Second cycle

Modules

Title	Code	Credits
Single module	0101	7.5

Advanced study in the main field

Grading scale

Pass / Failed

The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

Language

Swedish

Prior knowledge

The equivalent of: 60 Swedish University Credits (SUC) in Biology including 10 SUC in Plant Molecular Biology.

Objectives

The objectives are to give a stron theroretical basis in techniques for functional genomics, a large scale analysis of the functions of various gene products in an organism. The subject is under development both technically and theoretically, and the students will gain insight in the new information that will be generated by whole-genome/metabolome analyses.

Content

The course deals with the concepts genomics, proteomics and metabolomics. Also robotising, miniaturisation and high-throughput-screening will be treated, and solutions for visualizing high-density data will be demonstrated.

Implementation

Lectures 30 h
Lessons and groupdiscussions 30 h (compulsory)
Demonstrations 10 h (compulsory)

Examination

Requirements for examination

Written examination.

Participation in group discussions and demonstrations and apporoved examination.

- If the student fails a test, the examiner may give the student a supplementary assignment, provided this is possible and there is reason to do so.
- If the student has been granted special educational support because of a disability, the examiner has the right to offer the student an adapted test, or provide an alternative assessment.

- If changes are made to this course syllabus, or if the course is closed, SLU shall decide on transitional rules for examination of students admitted under this syllabus but who have not yet passed the course.
- For the examination of a degree project (independent project), the examiner may also allow the student to add supplemental information after the deadline. For more information on this, please refer to the regulations for education at Bachelor's and Master's level.

Additional information

- The right to take part in teaching and/or supervision only applies to the course date to which the student has been admitted and registered on.
- If there are special reasons, the student may take part in course components that require compulsory attendance at a later date. For more information on this, please refer to the regulations for education at Bachelor's and Master's level.

Responsible department

Department of Forest Genetics and Plant Physiology

Supplementary Information

Finalized by: Programnämnden för skogsvetarprogrammet, Umeå
Biology Area: Other Biology Courses