

Project Course; Chemical Biology

Programme course

6 credits

Projektkurs i kemisk biologi

TFKE39

Valid from: 2017 Spring semester

Determined by

Board of Studies for Chemistry, Biology
and Biotechnology

Date determined

2017-01-25

Main field of study

Biotechnology, Chemical Biology

Course level

First cycle

Advancement level

G2X

Course offered for

- Protein Science, Master's Programme
- Chemical Biology, M Sc in Engineering
- Chemical Biology

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

Biochemistry 2

Intended learning outcomes

After the course the student know how to:

- plan and experimentally execute a project in molecular biology
- plan and experimentally execute a project in biological measurement
- Understand and evaluate experimentally determined data through critical thinking of scientific literature and available experimental data The student has also comprehensive practical experience of methods in molecular biology as well as in biological measurements

Course content

The experimental part are based on earlier knowledge from courses in Biochemistry. The main part of this course is experimental and will give insights in modern experimental techniques in molecular biology and biological measurements.

Teaching and working methods

The course is divided in two separate projects in Biological measurements (UPG3) and molecular biology (UPG2). Both projects are laboratory intensive and are presented as written reports for each project.

Examination

UPG2	Individual written report	4 credits	U, 3, 4, 5
UPG3	Written report	1 credits	U, G
LAB1	Laboratory work	1 credits	U, G

Grades

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

Department

Institutionen för fysik, kemi och biologi

Director of Studies or equivalent

Magdalena Svensson

Examiner

Lars-Göran Mårtensson

Education components

Preliminary scheduled hours: 31 h

Recommended self-study hours: 129 h

Course literature

Laborationskompendier från institutionen, reviews inom ämnet samt vetenskapliga artiklar.

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.