BB1220 Project in Biotechnology 6.0 credits

Projekt i bioteknik

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for BB1220 valid from Spring 2016

Grading scale

A, B, C, D, E, FX, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

On completion of the course, the student should show

- Good ability to plan and work in a project

- Good ability to seek information, process it, and creatively solve a biotechnical problem

- Good ability to integrate different disciplines and consider sustainable development as well as society´s needs during information retrieval and problem solving

- Constructive reflection over work in the group and one´s own effort, and ability to stimulate self and group achievement.

- Good ability to write a professional report

- Good ability to present work orally

Course contents

The course contains two projects and aims to train abilities that are important for working in projects. The course also intends to give a deep understanding of certain parts of biotechnology. The projects are interdisciplinary within fields that are close to biotechnology.

The course contains:

- Part 1 A biotechnology project where society´s needs and sustainable development are central.

- Part 2 A biotechnology project where mathematics is central.

- Self-reflection based on Human dynamics and group dynamics.

- Project Management

- Report writing

- Literature search and reference management

- Oral presentation

Course literature

Notice of reading lists will be given on the course web page no later than four weeks before the start of the course.

Examination

- PRO2 - Project 2, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- PRO1 - Project 1, 3.0 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

Pass of both parts

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.