BB2210 Project Work in Biotechnology 10.0 credits

Projektarbete i bioteknik

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

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

Establishment

Course syllabus for BB2210 valid from Spring 2019

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Biotechnology

Specific prerequisites

To begin the course, the student must have passed at least 120 hp in completed 1:st/2:nd cycle courses in the field of technology, biotechnology or related areas. The examiner may demand additional specific prerequisites for the particular project.

Language of instruction

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

Intended learning outcomes

After completion of the course the student shall have

Knowledge and understanding to:

- apply relevant knowledge and skills acquired in biotechnology and potentially in neighboring areas on a given problem.

Skills and abilities to:

- within a given setting, even with limited information, be able to independently analyze complex questions on an advanced level in the field of biotechnology.
- be able to document, describe and explain one's own work, for a given target group, with high standards of structure, formality and language management.

Values and approaches to be able to:

- compare, appraise and criticize own and others' scientific results.
- identify one's own need for further knowledge and continuous development of competence.

Course contents

The course is carried out as an individual, independent project, equivalent to 7 weeks of full time studies. A problem within the field of Biotechnology is formulated, planned and analyzed under supervision by a suitable supervisor. The project usually starts with a literature review. Subsequently, a project plan is formulated for experimental work. The project plan should include the background of the project, the scientific question and suggestions for methods to investigate the question.

The project is then described in written report of high quality, where the results are analyzed and evaluated. The results as well as results from the literature are compared and critically examined.

Course literature

Lämplig litteratur beslutas gemensamt av student och handledare. Observera att studenten examineras på sitt förhållningssätt och förväntas under kursen lära sig att jämföra, värdera och kritisera egna och andras vetenskapliga resultat och att kunna identifiera sitt behov av ytterligare kunskap och fortlöpande utveckla sin kompetens.

Examination

- PRO1 - Project Work, 10.0 credits, grading scale: P, 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.

Other requirements for final grade

Approved project plan and approved final report

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.