# BB200X Degree Project in Biotechnology, Second Cycle 30.0 credits

**Examensarbete inom bioteknik, avancerad nivå**

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 BB200X valid from Autumn 2015

## Grading scale

P, F

## Education cycle

Second cycle

## Main field of study

Biotechnology

## Specific prerequisites

To start degree project, the student should have at least 240 credits within the Degree Programme in Biotechnology (210 credits for students on 270 credits program) from completed courses, of which at least 110 credits should be compulsory courses at school year 1-2.

For students admitted to the Master's programme, 120 credits:
To start the degree project for second-cycle studies, completion of the the main part of the studies is required: at least 60 credits (of which at least 30 credits with specialisation for second-cycle studies) within the main field of study for the Master's programme.

The degree project should normally be carried out under the program´s last semester. The examiner should check that the student satisfies the entry requirements. Exemption from entry requirements can, after assessment, be granted by the programme director of first-cycle courses and study programmes.

## Language of instruction

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

## Intended learning outcomes

1. Demonstrate knowledge of the chosen topic's scientific foundation and applications, in-depth insight into current research and development, as well as in-depth knowledge of methodology.

2. Demonstrate ability to holistically, critically and systematically search, collect and integrate knowledge, and identify one´s need for further knowledge.

3. Demonstrate ability to identify, analyse, assess, and handle complex phenomena, issues and situations, even with limited information.

4. Demonstrate ability to plan and with adequate methods carry out advanced tasks within given time frames, and evaluate this work.

5. Demonstrate ability to develop and evaluate products, processes, systems, methods, or technical solutions, while taking into consideration human conditions and needs, and the society's aim for economically, socially and ecologically sustainable development.

6. Demonstrate ability to clearly present and discuss conclusions and the underlying arguments with other groups both orally and in writing.

7. Demonstrate ability to make judgements considering relevant scientific, social, and ethical aspects

8. Demonstrate the skills required to participate in research and development work, or to work independently in other advanced activities.

## Course contents

Individually designed and completed project within Biotechnology. Assessing others student's project within Biotechnology.

## Course literature

The student should search for scientific literature relevant for the specific project.

## Examination

- XUPP - Examination Question, 30.0 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.

Oral presentations and public discussion can only take place at special seminars scheduled by the course administrator.

Grading criteria are specified in the course description.

## Other requirements for final grade

Passed project plan.

Passed written final report.

Passed oral presentation.

Passed opposition.

## 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.