FCB3062 Higher Seminar in Molecular Biotechnology II 3.0 credits

Högre seminarium i molekylär bioteknologi II

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

Establishment

Course syllabus for FCB3062 valid from Spring 2019

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Eligible for studies at the third-cycle level.

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 should be able to

- demonstrate both broad and specialized knowledge in the overall subject area of biotechnology with emphasis on molecular biotechnology
- demonstrate the ability to present pedagogically, critically examine and discuss their own and others' scientific work in the subject of biotechnology with emphasis on research in molecular biotechnology
- demonstrate the ability to give and receive constructive feedback for further development of own and others' scientific abilities and general skills
- demonstrate the ability to acquire knowledge of academic authorship and the international scientific publishing landscape with relevance to the scientific focus area of the course
- demonstrate the ability to identify, discuss and reflect on ethics and sustainability aspects in the research that is discussed within the framework of the scientific focus area of the course

Course contents

The course comprises approximately 80 full-time study hours and takes the form of higher seminars where the doctoral students present, interpret, analyze, critically examine and actively discuss their own papers and other relevant research literature within the research field. An important aspect is that the research students receive constructive feedback on their own scientific papers and presentation skills. The course normally extends over an academic year with regular meetings during study-term periods and is the second of four courses in the seminar series. A more detailed description of the course content and structure can be found in the course memo.

Course literature

Literature in the form of the students' own scientific papers and published articles are assigned separately for each individual session.

Examination

- DEL1 - Participation, 3.0 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.

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

Grading criteria are specified in the course PM.

Other requirements for final grade

Active participation at 80% of the seminar sessions, which includes presenting, preparing and actively participating in reviewing and discussing selected scientific work.

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.