FCB3031 Protein Engineering Forum I 3.0 credits

Forum för Proteinteknologi I

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 FCB3031 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 have the knowledge and ability to

- demonstrate both broad and specialized knowledge in the overall subject area of biotechnology with emphasis on protein engineering
- demonstrate the ability to present pedagogically, critically examine and discuss the scientific work of others in the subject of biotechnology, with an emphasis on research in protein engineering
- 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

hours are allotted for presentation and subsequent group discussion. The remaining study time is allocated for preparations. Prior to each session, one of the participants is assigned the role of chairperson. The chairperson is responsible for preparing a literature assignment on protein engineering to be presented at the seminar session. Well in advance of the seminar, the literature should be distributed to the other participants for reading and preparation of discussion points. During each session, one participant is appointed secretary with responsibility for summarizing in writing the key messages from the presentation and the subsequent discussion. The course is the first of four courses in a seminar series.

Course literature

Literature in the form of published articles is assigned separately for each individual seminar 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.

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 the review and discussion of selected scientific literature, as well as acting as secretary.

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.