



FBB3160 Current Trends in Proteomics I 4.0 credits

Aktuellt inom proteomik 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 FBB3160 valid from Autumn 2015

Grading scale

Education cycle

Third cycle

Specific prerequisites

Prerequisites:

BS or MS in relevant field (Biotechnology, biochemistry, molecular biology, or similar)

Language of instruction

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

Intended learning outcomes

Course aims:

The participants should gain experience in interpreting and presenting research literature, and presenting their own research. Discussions regarding both research and literature, and feedback on presentations are emphasized. The overall aim is that the participants should obtain an increased awareness of the current trends within the protein technology and proteomics field.

For whom:

Graduate students of biotechnology. Post-docs and research engineers are also welcome. The seminars will focus on topics related to protein and proteomic-related research at SciLifeLab. Applicants active at or associated with SciLifeLab will be prioritized.

Course contents

Course contents:

Weekly presentations on current trends in proteomics from (a) own projects conducted by the student and (b) milestone research published in current literature articles, followed by discussions and feedback. Published articles should be sent out in advance to all course participants, to promote intake of information and stimulate discussions.

Disposition

Course organization:

The course will be held on a weekly basis with two 15 min presentations per session, followed by 10 min discussion.

Additional information:

A non-disclosure agreement may be necessary to sign, since some data/results presented may be subject of future patent protection, and should therefore not be made public in advance of such actions.

Course literature

Course literature:

Current publications in the field of proteomic-related research.

Examination

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

Course requirements:

Five requirements should be fulfilled for course credits:

- (1) Active participation in at least 28 sessions during one year (approx. 40 occasions are given per calendar year).
- (2) At least 2 project presentations should be held.
- (3) At least 2 literature presentations should be held.
- (4) At least 2 'opponent' activities should be completed.
- (5) Active hosting of least one session.

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.