



FBB3480 Current Literature in Theoretical Chemistry and Biology 3.0 credits

Aktuell litteratur i teoretisk kemi och biologi

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

Establishment

Course syllabus for FBB3480 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 specialized theoretical and methodological knowledge and skills in theoretical chemistry and biology
- demonstrate the ability to present pedagogically, critically examine and discuss scientific work in theoretical chemistry and biology
- demonstrate the ability to acquire knowledge of academic authorship and the international scientific publishing landscape within the field of theoretical chemistry and biology
- demonstrate the ability to identify, discuss and reflect on ethics and sustainability aspects in the research that is discussed within the framework of theoretical chemistry and biology

Course contents

The course covers approximately 80 full-time study hours and normally extends over a year with seminar sessions evenly distributed during term periods. The course assumes the form of critically reviewing science seminars focusing on leading published scientific research within the subject area of the course. The doctoral students select, present, interpret and critically examine leading research articles on the subject, and provide feedback on each other's presentations.

Course literature

Literature in the form of published articles that 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 memo.

Other requirements for final grade

Active participation at 80% of the seminars, which, in addition to being present and actively participating in discussions, also includes giving two oral presentations and acting as an opponent at another doctoral student's presentation, as well as attending an introduction on scientific writing.

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.