FCK3315 Research Frontiers in Chemistry 4.5 credits

Forskningsfronten inom kemi

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

Establishment

Course syllabus for FCK3315 valid from Spring 2020

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 doctoral student should have the ability to:

- demonstrate for the level of the course adequate acquired knowledge within the field of chemistry.
- succinctly present, critically evaluate, and discuss in depth scientific results in chemistry.
- Identify, discuss, and reflect upon selected aspects of sustainability and scientific ethics coupled to the research presented within the framework of the course.

Course contents

The course consists of a number of seminars given by the researchers at the Department of Chemistry, CBH, KTH, and invited lecturers. The seminar topics are closely related to the actual field of the particular lecturer, yet the seminars are aimed at getting a deeper insight but also a wider overview of the specific research area. Jointly, the seminars provide a patchwork that provide a representative view over the modern chemistry, its research forefront, its scientific methodology, and societal relevance.

Examination

- LIT1 - Literature assignment, 3.0 credits, grading scale: P, F
- DEL2 - Participation, 1.5 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.

Approved presentation of the literature assignment

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.