



FCK3306 Research Frontiers in Organic Chemistry 6.0 credits

Forskningsfronten inom organisk kemi

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 FCK3306 valid from Spring 2020

Grading scale

P, F

Education cycle

Third cycle

Language of instruction

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

Intended learning outcomes

After passing the course the student should be able to:

- show broad and specialized knowledge in the scientific field of the course, and about the overall subject area of organic chemistry
- pedagogically present, critically examine and discuss published scientific papers in the field of organic chemistry

- demonstrate insight into, and basic ability to apply, academic authorship and the international scientific publishing landscape with relevance to the scientific subject area of the course
- identify, discuss and reflect on ethics and sustainability aspects in the research that is discussed within the framework of the subject area of the course

Course contents

Topics that are covered include:

- organic synthesis
- catalysis (for example transition metal-, bio-, organo- and photocatalysis)
- supramolecular chemistry
- material chemistry

Specific prerequisites

Eligible for studies at the third-cycle level.**

Examination

- DEL1 - Participation, 6.0 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.

Other requirements for final grade

Active participation at 80% of the course sessions, which in addition to attending and actively participating in discussions also includes carrying out two presentations during an academic year.

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.