



# FKA3010 Kemivetenskap och kemiteknik 5,0 hp

Chemical Science and Engineering

När kurs inte längre ges har student möjlighet att examineras under ytterligare två läsår.

## Fastställande

Kursplan för FKA3010 gäller från och med VT09

## Betygsskala

## Utbildningsnivå

Forskarnivå

## Särskild behörighet

## Undervisningsspråk

Undervisningsspråk anges i kurstillfällesinformationen i kurs- och programkatalogen.

## Lärandemål

## Kursinnehåll

1. Attendance in 10 one-hour seminar covering research in a wide range of chemical science and engineering. Each seminar is to be followed by a discussion involving the lecturer and the audience (graduate students).

2. Preparation prior to seminar. Each lecturer provides one or two review articles, which should be read before the seminar.
3. Writing of abstracts for each seminar. Each seminar should be analyzed from the following perspectives: (a) General importance and implication. (b) What can be useful in own research in terms of methodology and way of general thinking? What immediate problems can be solved? What are the possible directions for collaborative research? (c) What are the potential interactions with other areas covered in the course? The latter can only be dealt with after listening to all ten seminars.
4. Writing a synopsis describing/explaining the benefits from collaboration with other groups based on the information provided during the course. The purpose of this exercise is to synthesize the suggestions/ideas brought up for individual lectures under items 3b and c.

## Kursupplägg

Seminars: Should be held once a month starting in September and ending in June, i.e. annually 10 times. A program for each year is prepared in due time during the preceding summer. The bulk of the programme is lectures held by the professors at the School of Chemical Science & Engineering. The lectures should have a popular science character. One or two preparatory review articles and a pdf file with the lecture slides are provided.

## Examination

Examinator beslutar, baserat på rekommendation från KTH:s handläggare av stöd till studenter med funktionsnedsättning, om eventuell anpassad examination för studenter med dokumenterad, varaktig funktionsnedsättning.

Examinator får medge annan examinationsform vid omexamination av enstaka studenter.

Examination: The student have to attend 10 lectures. These lectures can be distributed over a time period of 2 academic years. Each principal supervisor will examine the written report and make the approval (Or ask for further work). They will report to a coordinator (Ulf Gedde) who will make the formal approval and reporting.

## Etiskt förhållningssätt

- Vid grupparbete har alla i gruppen ansvar för gruppens arbete.
- Vid examination ska varje student ärligt redovisa hjälp som erhållits och källor som använts.
- Vid muntlig examination ska varje student kunna redogöra för hela uppgiften och hela lösningen.