F3C5621 Chemical Reaction Engineering 9.0 credits

Kemisk reaktionsteknik

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 F3C5621 valid from Spring 2009

Grading scale

Education cycle

Third cycle

Specific prerequisites

Knowledge corresponding to the non-graduate course in Reaction and Separation Engineering (3C1616) is required.

Language of instruction

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

Intended learning outcomes

The course chould deepen your knowledge and problem solving skills in Chemical Reaction Engineering.

Course contents

Ideal reactors, in-depth studies. Heterogeneous ractions. Non-ideal reactions. Problem solving and calculations.

Course literature

Scott Fogler, "Elements of chemical reaction engineering", Prentice Hall, 1999. Hand-outs.

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

Examination and acceptable problem solving and computer assigments.

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.