



KD1050 Chemical Thermodynamics 6.0 credits

Kemisk termodynamik

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 KD1050 valid from Autumn 2007

Grading scale

A, B, C, D, E, FX, F

Education cycle

First cycle

Main field of study

Chemistry and Chemical Engineering, Technology

Specific prerequisites

KD1020 Introductory Chemistry
3B1711 Chemical Equilibria
SF1608 Mathematics 1
SF1609 Mathematics 2

Language of instruction

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

Intended learning outcomes

The course will give basic knowledge in thermodynamics and its applications in chemistry, chemical engineering and biological systems.

Course contents

Properties of gases

The laws of thermodynamics

Thermodynamic equilibrium in ideal and non-ideal systems

The thermodynamics of liquid mixtures

Applications of thermodynamics

Course literature

See the course page

Examination

- TEN1 - Examination, 6.0 credits, grading scale: A, B, C, D, E, FX, 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

Written examination (TEN1;6 cr)

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.