



# KE0110 Introductory Course in Chemistry 1.5 credits

## Introduktionskurs i 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 KE0110 valid from Autumn 2019

## Grading scale

P, F

## Education cycle

Pre-university level

## Language of instruction

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

## Intended learning outcomes

The aim with the course is to repeat and strengthen basic concepts and methods in chemistry

## Course contents

- Chemical reaction formulae specifically for redox reactions

- The Molar system
- Stoichiometry
- Content analyses
- Simple chemical equilibria
- Thermochemistry and Thermodynamics

## Disposition

The course contains three lectures, three exercises and a final exam and review. Apart from review of upper secondary school chemistry, you be given an insight into how it is to study at KTH. The lectures and the exercises will be carried out in the same way as many courses at KTH.

## Specific prerequisites

General and specific entry requirements for engineering programmes.

## Course literature

Lisa Skedung's collection of examples: "Preparatory booklet in chemistry". This will be sent to all newly-registered students in Chemical Technology and Biotechnology. Take the book to the exercises in the course. A booklet about thermodynamics and thermochemistry will be given out during the first exercise.

## Examination

- TEN1 - Examination, 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.

Passed written examination

## 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.

