



# KE1060 Material and Energy Balances 7.5 credits

## Material- och energibalanser

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 KE1060 valid from Spring 2012

## Grading scale

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

## Education cycle

First cycle

## Main field of study

Technology

## Language of instruction

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

## Intended learning outcomes

# Course contents

## Specific prerequisites

Completed upper secondary education including documented proficiency in English corresponding to English A. For students who received/will receive their final school grades after 31 December 2009, there is an additional entry requirement for mathematics as follows: documented proficiency in mathematics corresponding to Mathematics A.

And the specific requirements of mathematics, physics and chemistry corresponding to Mathematics E, Physics B and Chemistry A.

## Course literature

Elementary Principles of Chemical Processes, R.M. Felder och R.W. Rosseau, John Wiley & Sons, Inc., 3rd Edition, 2000. ISBN-nr 0-471-37587-X.

**Alternativt:**

D.M. Himmelblau and J.B. Riggs, Basic principles and calculations in chemical engineering, Seventh Edition, Prentice Hall, 2004.

## Examination

- ANN1 - Exercises in Ethics, 1.5 credits, grading scale: P, F
- INL1 - Assignments, 1.5 credits, grading scale: P, F
- TEN1 - Written exam, 4.5 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.

## 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.