KH1211 Mathematical Statistics 4.5 credits

Matematisk statistik

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for KH1211 valid from Autumn 2011

Grading scale

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

Education cycle

First cycle

Main field of study

Chemistry and Chemical Engineering, Technology

Specific prerequisites

Completed upper secondary education including documented proficiency in Swedish corresponding to Swedish B, and English corresponding to English A. For students who received/will receive their final school grades after 31 December 2009, there is an additional entry for mathematics as follows:
documented proficiency in mathematics corresponding to Mathematics A.
And the specific requirements of mathematics, physics and chemistry corresponding to Mathematics D, Physics B and Chemistry A.

Language of instruction

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

Intended learning outcomes

To give its students basic knowledge of, and abilities to perform, design, and evaluate statistical analysis of experiments.

Course contents

Computer aided statistics. Probability calculus. Applied statistics.

Course literature

Råde, L: Inledning till sannolikhetslära och statistik. Studentlitteratur.

Examination

- TEN1 - Theory, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Computer Lab Works, 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.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

Passed examination (TEN1; 3 cr.).
Passed data lab sessions (LAB1; 1,5 cr.).

The results at both elements have effect on the grade.

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.