HF1700 Mathematics 7.5 credits

Matematik

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 HF1700 valid from Autumn 2017

Grading scale

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

Education cycle

First cycle

Main field of study

Mathematics,Technology

Specific prerequisites

Students in year 1 of the Higher Education Diploma programme in Construction Management

Language of instruction

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

Intended learning outcomes

Upon completing this course students should be able to

- simplify algebraic expressions

- solve algebraic equations and inequalities

- use trigonometrics to solve geometrical problems

- demonstrating an understanding of the concepts of differentiability and integrability and use these concepts to solve problems

Course contents

- algebra and equations

- trigonometri

- differentiation and integration

Course literature

- Alfredsson, Bråting, Erixon, Heikne: Matematik 5000 Kurs 3CISBN 978-91-27-43010-5 (Natur och kultur)

- Alfredsson, Bråting, Erixon, Heikne: Matematik 5000 Kurs 4ISBN 978-91-27-42632-0 (Natur och kultur)

Examination

- TEN1 - Examination, 4.0 credits, grading scale: A, B, C, D, E, FX, F

- TEN2 - Examination, 3.5 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.