



AG2925 Geodata Quality 3.0

credits

Geodata-kvalitet

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

Establishment

Course syllabus for AG2925 valid from Autumn 2013

Grading scale

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

Education cycle

Second cycle

Main field of study

The Built Environment

Specific prerequisites

a) Eligibility to CSAMH program

b) Eligibility to TTGTM program

For single course students:

At least 7.5 ECTS in GIS/geomatics courses

Language of instruction

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

Intended learning outcomes

After completing this course, students should understand different quality aspects of geodata, be able to make statistical analysis of geodata measurements and perform adjustment calculations using least squares method.

Course contents

- Data quality: precision, accuracy and reliability
- Errors, standard errors and error propagation
- Adjustment by elements
- Gross error detection

Disposition

Lectures 14h
Laboration 20h
Written examination

Examination

- TEN1 - Written Examination, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 1.0 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

Written exam (TEN1; 2,0 cr) (A/B/C/D/E/FX/F)
Approved laboration (LAB1; 1.0 cr) (P/F)

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.