



FAG3109 Visualization of Geoinformation 7.5 credits

Visualisering av geoinformation

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

Establishment

Course syllabus for FAG3109 valid from Autumn 2019

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Language of instruction

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

Intended learning outcomes

The major objective of this course is to learn principles of cartography and techniques for effective visualization of geographic data. On the completion of this course, students should be able to design analogue and digital cartographic products using an existing geographic

information system, and to gain critical thinking skills essential to avoid being misled by cartographic products.

Course contents

Map symbols

- Visual variables: spacing, size, orientation, shape, arrangement, height, hue, value, saturation.
- Data classification
- Topographic and thematic map design and symbolization
- Map design for presentation, synthesis, analysis and exploration of spatial data
- Exploratory data analysis, graphical data analysis techniques
- 2D, 2.5D, and 3D data and their representation
- Temporal data and their representation

Examination

- PRO1 - Project work, 7.5 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.

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.