



# DH2321 Information Visualization 6.0 credits

## Informationsvisualisering

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

## Establishment

Course syllabus for DH2321 valid from Autumn 2010

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Computer Science and Engineering

## Specific prerequisites

Single course students: 90 university credits including 45 university credits in Mathematics or Information Technology. Swedish B or equivalent and English A or equivalent.

## Language of instruction

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

# Intended learning outcomes

Data categorization

How to select suitable visual representations

Focus/context and data navigation issues

Issues related to visual perception

Visual representation of hierarchical and non-hierarchical networks

Geospatial representations

Issues related to data that change in real-time

Visual analytics

Data mining

## Course contents

The students should after the course be able to

- explain concepts, techniques and principles within information visualization
- explain the ideas in some fundamental algorithms for information visualization and to some extent be able to compare and evaluate them
- apply information visualization in a practical situation/application.

## Course literature

To be announced at course home page at least 4 weeks before course start.

## Examination

- TEN1 - Examination, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 3.0 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.

In this course all the regulations of the code of honor at the School of Computer science and Communication apply, see: [http://www.kth.se/csc/student/heder-skodex/1.17237?l=en\\_UK](http://www.kth.se/csc/student/heder-skodex/1.17237?l=en_UK).

## 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.