AG1323 GIS for the Built Environment 7.5 credits

GIS för samhällsbyggnad

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

Establishment

Course syllabus for AG1323 valid from Autumn 2007

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

AG1311- Graphic Information Systems

Language of instruction

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

Intended learning outcomes

The course aims to introduce students to the GIS concepts, techniques and applications. At the end of the course, students should be able to understand how to develop strategies for using GIS techniques in their own subjects or profiles.

Course contents

- Basic GIS architecture
- Spatial data models and structures
- Data sources, data input and data quality
- Data storage, errors and editing
- Database concepts and components
- Elementary spatial analysis
- GIS applications in various fields/profiles
- Making maps
- Ethics and GIS

Disposition

Lectures 24h

Laboration 40h

Course literature

To be announced later.

Examination

- TEN1 - Examination, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 4.5 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

Written exam (TEN1, 3 cr)
Approved laboratory reports (LAB1, 4,5 cr)

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.