AG2411 GIS Architecture and Algorithms 7.5 credits

GIS Architecture and Algorithms

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

Establishment

Course syllabus for AG2411 valid from Autumn 2007

Grading scale

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

Education cycle

Second cycle

Main field of study

The Built Environment

Specific prerequisites

GIS for the Built Environment or equivalent

Language of instruction

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

Intended learning outcomes

The student shall be able to specify and design komplex programsystems to handle Geographic Information

Course contents

- Existing commercial and open source systems(GRASS; ArcInfo, etc)
- Operating systems (Windows, Unix)
- Modelling of systems (UML)
- Toolkits
- Algorithms, libraries etc

Disposition

Lectures 24h
Laboration 48h

Course literature

Harrie, L. (2005). Lecture Notes in GIS Algorithms. Lund University.

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; 43 cr)
Approved laborations (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.