



Faculty of Social and Life Sciences
Geo-Science

Syllabus

Course Approval

The syllabus was approved by the Faculty Board of Social and Life Sciences on 25 April 2007, and is valid from the Autumn semester of 2007 at Karlstad University. It replaces the former syllabus GISD01.

Course Code: NGGAD1

GIS - Introduction, 7.5 ECTS Credits
(Orienteringskurs i GIS, 7.5 Swedish credit points)

Degree Level: Bachelor

Progressive Specialisation: G1N (First cycle, has only upper-secondary level entry requirements)

Language of Instruction

Swedish

Prerequisites

General admission requirements

Major Field of Study

NGA (Physical Geography)

Learning Outcomes

Upon completion of the course, the students should be able to:

- describe and define Geographical Information Systems (GIS) and give examples of how they can be applied,
- use and analyse geographic data in various formats,
- describe the differences between vector and raster data,
- assess and compare various geographic internet-based systems,
- carry out simple geographic analyses in vector data.

Content and Form of Instruction

The course is primarily designed for students needing to learn different ways of using GIS technology and to students seeking a general understanding of GIS in order to collaborate with experts in the field.

The course covers central concepts and definitions. Students are given a number of reading assignments, which are supplemented with a practical introduction to commonly used GIS software including introductory exercises as well as more advanced exercises designed to help students learn a particular software programme, deepen their knowledge, and apply their knowledge in practice. Students are also introduced to ongoing processes of development and standardisation in the field. Finally, students undertake a project in which they apply the theoretical knowledge acquired.

Reading List

See separate document.

Examination

Examination is in the form of written assignments and a project to be presented in written form.

Grades

One of the grades Pass with Distinction (VG), Pass (G), or Fail (U) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course assessment is based on student views and experiences as reported in written course evaluations and/or group discussions. Students will be informed of the result of the evaluation and of the measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional Information

Students who enrolled before 1 July 2007 will complete their studies in accordance with the requirements of the earlier admission. Upon completion students may request degree and course certificates to be issued under the current ordinance if they meet its requirements.

The course NGGAD1 cannot be included in the same degree programme as the courses GEGC32, NGGA16 and NGGA23.

The local regulations for studies at the Bachelor's and Master's levels at Karlstad University stipulate the obligations and rights of students and staff.

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