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Course Syllabus

Geographic Information Systems (GIS) 2: Spatial Analysis 7.5 Credits, First Cycle

Learning Outcomes
On completion of the course, students will be able to:

- integrate and manage various data formats and sources of geographic data
- explain selected geostatistical methods for spatial analysis
- apply selected geostatistical methods for spatial analysis
- create thematic maps using advanced design principles
- interpret and evaluate results from spatial geostatistical analyses.

Course Content
The course covers advanced data management and analysis within geographic information systems, GIS. The course introduces and applies selected geostatistical methods for spatial analysis. The work is conducted in both raster and vector environments. In addition, advanced design principles for creating thematic maps are introduced.

Assessment
- writtten assignments
- active participation in seminars

Grades
The grading scale used for the final course grade is U–VG.

Grades are reported as follows:
- Geographic Information Systems (GIS) 2: Spatial analysis - 7.5 Credits | U–VG

Entry Requirements
7,5 credits in Geographic Information Systems

Other Information

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This course cannot be counted towards the same degree along with courses that have equivalent content.

If the student has received a decision/recommendation granting study support from Dalarna University because of a disability, then the examiner has the right to offer an alternative examination arrangement. The examiner takes into account the objectives in the course syllabus when deciding whether the examination can be adapted in accordance with the decision/recommendation.

Subject:
Human Geography

This course can be included in the following main field(s) of study:
1. Human Geography
2. Tourism Studies

Progression Indicator within (each) main field of study:
1. G1F
2. G1F

Approved:
Approved 4 March 2024
Valid from 4 March 2024