COURSE DETAIL

GEOGRAPHICAL INFORMATION SYSTEMS
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Geography Environmental Studies
UCEAP Course Number 137
UCEAP Course Suffix
UCEAP Official Title GEOGRAPHICAL INFORMATION SYSTEMS
UCEAP Transcript Title GEO INFO SYSTEMS
UCEAP Quarter Units 12.00
UCEAP Semester Units 8.00

Course Description

The course gives a broad theoretical ground to wider work with digital geographic data. Understanding of representation and analysis of spatial elements are emphasized. The course also highlights general geographic problems within the environment and society through practical GIS applications. These treat both Swedish and international issues and vary in scale from the local to the regional. The parts within GIS that are treated include basic cartography, including projections, reference system, geographic data in digital form (maps, images, and tables) and positioning with GPS, basic analysis of geographic data in raster and vector format, and cartographic and graphical presentation of digital map material. In the course, training in oral and written communication is also included. Special emphasis is placed on the cartographic presentation of digital geographic data.

Language(s) of Instruction
English

Host Institution Course Number
NGEA11

Host Institution Course Title
GEOGRAPHICAL INFORMATION SYSTEMS

Host Institution Course Details
https://www.lunduniversity.lu.se/lubas/i-uoh-lu-NGEA11

Host Institution Campus

Host Institution Faculty
Science

Host Institution Degree

Host Institution Department
Physical Geography and Ecosystem Science

Course Last Reviewed
2022-2023

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