

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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