

# 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 Campus

### Host Institution Faculty

Science

### Host Institution Degree

### Host Institution Department

Physical Geography and Ecosystem Science

[Print](#)