

COURSE DETAIL

GIS AND REMOTE SENSING WITH FOCUS ON THE ENVIRONMENT

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

110

UCEAP Course Suffix**UCEAP Official Title**

GIS AND REMOTE SENSING WITH FOCUS ON THE ENVIRONMENT

UCEAP Transcript Title

GIS&REMOTE SENSING

UCEAP Quarter Units

12.00

UCEAP Semester Units

8.00

Course Description

In this course students obtain practical experience in: basic tools in GIS; how geographical data are structured; interpreting aerial photographs and satellite data, in particular regarding vegetation; how to analyze spatial phenomena and visualize results through maps; supervised classification of multi-spectral satellite data; analyze time-series of satellite data to assess change through time. After finishing the course, students have basic knowledge of: some of the most important tools in GIS, electro-magnetic radiation theories and the influence of the atmosphere, and different methods to capture geographic data and how this is input in a GIS.

Language(s) of Instruction

English

Host Institution Course Number

NGEA05

Host Institution Course Title

GIS AND REMOTE SENSING WITH FOCUS ON THE ENVIRONMENT

Host Institution Campus

Lund

Host Institution Faculty

Science

Host Institution Degree

Host Institution Department

Physical Geography and Ecosystem Science

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