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 asses 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 Course Details
https://www.nateko.lu.se/ngea05

Host Institution Campus
Lund

Host Institution Faculty
Science

Host Institution Degree

Host Institution Department
Physical Geography and Ecosystem Science

Course Last Reviewed
2020-2021

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