COURSE DETAIL

FIELD INVESTIGATIONS METHODOLOGY
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Engineering Earth & Space Sciences Civil Engineering
UCEAP Course Number 107
UCEAP Course Suffix
UCEAP Official Title FIELD INVESTIGATIONS METHODOLOGY
UCEAP Transcript Title FIELD INVESTIGATION
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

The aim of the course is achieved by a combination of theoretical studies of measuring principles, planning and execution of field investigations, writing of a technical report, and oral presentation at a seminar. The course is dominated by a major compulsory project work which is carried out in groups of three students. The field investigation project consists of establishing a conceptual model, numerical pre-modeling for the design of investigation strategy, field investigation, data processing, inverse modeling, interpretation, and also written and oral presentation of results. The field investigation comprises three days and consists of geological field reconnaissance, and measurements with a couple of geophysical methods in combination with other field investigation methods such as drilling, penetration testing, and digging of test pits. Two of the days are carried out in small groups of about three-four students with one teacher per group.

Language(s) of Instruction
English

Host Institution Course Number
VTGN01

Host Institution Course Title
FIELD INVESTIGATIONS METHODOLOGY

Host Institution Course Details
https://www.tg.lth.se/grundutbildning/kurser/vtgn01-field-investigations-method…

Host Institution Campus

Host Institution Faculty
Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed
2022-2023

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