

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 Campus

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

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