



Course syllabus

Faculty Board of Science and Engineering
School of Natural Sciences

4MX004 Examensarbete i miljövetenskap, 30 högskolepoäng
Degree Project in Environmental Science, 30 credits

Main field of study

Environmental Science

Subject Group

Environmental Science

Level of classification

Second Level

Progression

A1E

Date of Ratification

Approved by the Board of the School of Natural Sciences 2009-09-09

Revised 2011-09-13

The course syllabus is valid from autumn semester 2011

Prerequisites

Bachelor degree in a subject within the Natural sciences or Engineering, or corresponding.

Expected learning outcomes

After completing the course the student should be able to:

- Independently plan and design a scientific experiment or investigation
- Formulate research questions
- Collect background information
- Conduct own experiments or investigations, or make a compilation of data from studies already completed
- Adapt methods for the experiments or investigations to the research questions concerned, the availability of the methods and the time available
- Present the collected data
- Complete an in-depth synthesis with conclusions from his/her own results, with the backing of results of other studies in conjunction with relevant theories within environmental science
- Evaluate the results and the conclusions drawn from his/her own study
- Complete a written presentation of his/her own study in accordance with standard practices for a report in the natural sciences
- Present the results and conclusions of the study orally.

Content

- Identifying a problem and formulating questions within a subject area of environmental

science

- Planning and designing experiments or investigations
- Conducting experiments or investigations
- Processing and analyzing data
- Interpreting the results and creating a synthesis of the study and others' experiments or investigations
- Compiling a written report
- Presenting the results and conclusions orally

Type of Instruction

The course is completed as an individual project with support from a supervisor. The contents of the course are elaborated by the student together with the supervisor and are presented in a specific plan which must be approved by the examiner before the start of the course.

Participation in joint seminars is compulsory.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

The examination consists of an evaluation of the written and oral presentations, including the answers to questions posed by the opponent and the examiner of the project. The grade for the degree project is set by a grading committee consisting of the examiner, opponent and supervisor.

The assessment criteria for a passing grade are presented in Expected learning outcomes.

Course Evaluation

A written course evaluation will be carried out at the end of the course in accordance with the University's guidelines. The course evaluation will be filed at the department.

Required Reading and Additional Study Material

Required reading

Decided in conjunction with the supervisor and examiner.