

Faculty of Science

MVEM13, Master's (two years) Thesis in Environmental Health, 30 credits

Miljö- och hälsoskydd: Examensarbete för masterexamen, 30 högskolepoäng Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by Study programmes board, Faculty of Science on 2008-06-11 to be valid from 2008-06-11, autumn semester 2008.

General Information

The course is a compulsory second cycle component of a degree of Master of Science (120 credits) in environmental and health protection.

Language of instruction: English and Swedish

Main field of studies	Depth of study relative to the degree requirements
Environmental Health	A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)

Learning outcomes

The aim of the course is that students, on its completion, shall have attained the following knowledge and skills:

- Specialised knowledge of environmental and health protection issues and ability to develop and use ideas and theories in research contexts or for the development of working methods in the area of environmental and health protection
- Ability to apply theories of environmental and health protection problems at scientific depth to analyse and understand the situation of natural resources and of environmental and health protection in present-day society. Ability to plan and conduct preventive environmental science work in order to promote long-term sustainable development and to work in an interdisciplinary manner

- Ability to make assessments of environmental and health protection problems by integrating theory with complex real data Skills in using methods to measure and analyse anthropogenic disturbances in air, earth, water and the biosphere Ability to statistically evaluate, test and interpret measurement and analysis results
- Ability to communicate their conclusions and underlying theories to both experts in the field and non-experts Ability to independently seek, compile and communicate information about environmental and health protection problems in speech and writing
- Study skills enabling self-governed and independent learning

Course content

The course is to provide students with good conditions for further studies, e.g. a postgraduate degrees and/or skills for work in the area of environmental and health protection. The project is to have a clear environmental and health protection profile, i.e. deal with the identification, quantification and understanding of the causes of an environmental and health protection problem and/or propose measures for solving a specific problem. The subject is mainly based in science but differs from traditional science subjects in including interdisciplinary and applied perspectives. The topic of the project is to be determined by the student, supervisor and examiner in consultation. It is to entail a specialisation of previously completed environmental science studies.

The course content is mainly based on a project to be completed individually and under supervision by researchers or the equivalent at Lund University. Supervision can also be provided by an external supervisor at a company or public authority. The degree project can be based on laboratory work, field studies and/or literature studies. It is to presented in both speech and writing (Swedish or English) at a final seminar. The aim of the project is to enable students to develop their ability to execute an

independent degree project that is adapted to the student's specialisation in environmental and health protection and to the issue of the individual project.

Course design

The course is project-oriented, and consists of an individual project to be executed independently by the student in consultation with a supervisor who has experience in the chosen area. Depending on the nature of the project, the course director can determine which components are to be included in the course and, in certain cases, whether an internship or methods course should be included. The principal supervision takes place either at a research department or at a company or public authority.

Assessment

The project is to be presented in the form of a report complemented with a summary in English and a page containing a Swedish popular science summary. In connection with the assessment, the student is to present his or her work orally at a seminar. Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.

The grade on the degree project is determined by the examiner after having consulted an examining committee. The examining committee is to be composed of at least two members: the examiner or a lecturer appointed by the examiner and a lecturer (critical reviewer) from a division other than the one housing the project. The supervisor is not to be a member of the examining committee, but should serve as an advisor to it. For a Pass on the course as a whole, students must have passed the project report and participated in all the compulsory components.

The final grade is determined by an aggregate of the assessed components.

Entry requirements

To be admitted to the course, students must have a Bachelor's degree including at least 90 credits in science subjects of which 30 credits in environmental science. Furthermore, the student must have passed MVEN03 Methodology in Environmental Science, 15 credits, MVEN04 Environmental Science: Applied Environmental Science, 15 credits, MVET10 Environmental Protection, 15 credits, MVEN11 Environmental Science: Methods and Professional Training in Environmental Health Management, 15 credits.

Subcourses in MVEM13, Master's (two years) Thesis in Environmental Health

Applies from H07

0701 Master's (two years) thesis in Environmental Health, 30,0 hp Grading scale: Fail, Pass, Pass with distinction