



Faculty of Science

## **MVEM03, Environmental health: Degree Project, Master 1 year, 15 credits**

*Miljö- och hälsoskydd: Examensarbete för magisterexamen, 15 högskolepoäng*

**Second Cycle / Avancerad nivå**

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### **Details of approval**

The syllabus was approved by Study programmes board, Faculty of Science on 2011-02-03 and was last revised on 2020-06-05. The revised syllabus applies from 2020-06-05, spring semester 2021.

### **General Information**

The course is a compulsory second cycle component of a degree of Master of Science (60 credits) in environmental and health protection.

*Language of instruction:* Swedish and English

If needed, the course is taught in English.

*Main field of studies*

Environmental Health

*Depth of study relative to the degree requirements*

A1E, Second cycle, contains degree project for Master of Arts/Master of Science (60 credits)

### **Learning outcomes**

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

#### **Knowledge and understanding**

On completion of the course, the students shall be able to:

- demonstrate knowledge and understanding of important parts of environmental and health protection issues in order to be able to develop and use ideas and theories in the context of research or for the development of working methods,

This is a translation of the course syllabus approved in Swedish

and identify and structure needs of environmental and health protection measures

- apply knowledge and understand the situation of natural resources and environmental and health protection in present-day society demonstrate the ability to apply knowledge of the function of natural cycles in air, water and the biosphere and of the anthropogenic impact on them

### **Competence and skills**

On completion of the course, the students shall be able to:

- demonstrate the ability to make assessments of environmental and health protection problems by applying theories to real data demonstrate the ability to use statistics to evaluate, test and interpret measurement and analysis results
- demonstrate the ability in speech and writing to report and discuss their conclusions and the knowledge and arguments on which they are based in dialogue with different audiences, and demonstrate the skills required to make assessments in research and development work or for employment in other qualified activities

### **Judgement and approach**

On completion of the course, the students shall be able to:

- demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues and also to demonstrate awareness of ethical aspects of research and development work demonstrate the ability to identify the personal need for further knowledge and take responsibility for their ongoing learning

### **Course content**

The course content is mainly based on an individually completed project that is to be supervised 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 the student's own investigation, on existing material and/or on literature studies. The project is to be presented in both speech and writing (Swedish or English). 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 deals with experimental design, research methodology, evaluation of findings and report writing. It also includes literature studies, seminar activities and, in certain cases, internship or a methods course. 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 executed independently by the student in consultation with a supervisor possessing experience of the chosen topic. The principal supervision takes place either at a research department or at a company or public authority. Special teaching of report writing and other presentation techniques is compulsory.

## Assessment

The presentation is to have the form of a report complemented with an abstract in English and a Swedish popular science summary. In connection with the assessment, the student is to present his or her work orally at a seminar.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

*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 English B and a degree of Bachelor of Science in environmental science and 30 credits from second cycle courses in the main field of environmental and health protection, including two of the following courses: MVET10 Environmental Protection, 15 credits, MVEN12 Environmental Health- Food Safety, 15 credits, MVEN06 Environmental Assessment and MVEN11 Environmental Science: Methods and Professional Training in Environmental Health Management, 15 credits.

Equivalent prior knowledge that has been acquired in some other way can also give admission to the course.

## Subcourses in MVEM03, Environmental health: Degree Project, Master 1 year

Applies from V12

1101 Environmental Science, Degree Project, Master 1 Year, 15,0 hp  
Grading scale: Fail, Pass, Pass with distinction