



MJ2664 Environmental Management II, Advanced Course 6.0 credits

Miljömanagement II, fördjupningskurs

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for MJ2664 valid from Spring 2010

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Specific prerequisites

A basic course MJ2663 or MJ2662 or 3C1380 or corresponding knowledge in basic environmental management

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

The overall aim of the course is to provide theoretical and applied knowledge and understanding of approaches to environmental and sustainability management and to changes in companies and organisations due to the increased focus in these areas. The course will also provide training and skills in the use of different tools used in planning and assessment of environmental and sustainability work of a company.

This means that after the course the student should be able to:

- Describe, explain and compare the management systems for environment, quality and health and safety.
- Identify, analyse and evaluate sustainability aspects and propose indicators for formulation of targets and action plans for the sustainable development of a company
- In a group project, give an insight in an aspect of the work with environmental and sustainability management of a company or organisation. In the framework of the project different issues of corporate environmental management such as planning and implementation of management systems, environmental impact assessment, life cycle analysis, eco-labelling and environmental product declarations may be studied.
- Write project reports according to instructions in the course documentation, present and discuss the reports to the company or organisation that has been studied in the project and at seminars for the course participants.

Course contents

Motivations and forces driving the implementation and development environmental and sustainability management systems in companies and organisations. Current management systems aiming at implementing and sustaining a systematic, efficient and sustainable operation of a company. Comparison of current management standards for environment, such as EMAS and ISO14001, quality, ISO 9001:2000, health and safety – OSHAS 18001 for developing integrated management systems for sustainability. The course also addresses the tools for sustainability monitoring and planning, such as Environmental and Quality Auditing and Corporate Sustainability Reporting. The course is mainly a project course implementing theory and methods of environmental and sustainability management on companies and organisations.

Course literature

Whitelaw, Ken: ISO 14001 Environmental Systems Handbook. Second edition, 2004. Elsevier Ltd.

The book is available at the Campus Bookstore and can also be ordered online. See for example Bokus.com.

Examination

- PRO1 - Project Work, 4.5 credits, grading scale: A, B, C, D, E, FX, F
- ÖVN2 - Exercise, 1.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Other requirements for final grade

In order to receive a passing grade (E) for the course, the reports and presentations of exercise and project must be approved. The final grade is calculated as a weighted average of the grades of the two parts.

ÖVN1 (exercises); 1,5 HP,

PRO1 (project work); 4,5 HP,

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.