AL2160 Environmental Management 7.5 credits

Miljömanagement

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

Establishment

The course syllabus is valid from Spring term 2023 according to the Head of school decision: A-2022-2467, 3.2.2.Date of decision: 2022-10-12

Grading scale

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

Education cycle

Second cycle

Main field of study

Environmental Engineering, Mechanical Engineering

Specific prerequisites

Admitted to Master's Programme, Sustainable Technology (TSUTM).

Others: Admitted to a program at KTH - Royal Institute of Technology and at least completed 180 ECTS credits. Courses from upper secondary school corresponding to the courses Eng B/6 according to the Swedish upper secondary school system. 7,5 ECTS credits (7,5 hp) in environment and sustainable development.

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 give an introduction to how companies and organizations deal with environmental and sustainability matters. The course reflects different strategies, tools and accounting systems being used in the current development process and the driving forces behind them. The course discusses both process and product development in different companies related to sustainable development.

After concluding this course the student should be able to:

- Describe and explain the processes for certification, registration and maintenance of an EMS according to ISO 14001 and EMAS.
- describe and explain the most significant tools in the environmental and sustainability monitoring, planning and reporting in companies and organizations
- describe how environmental law is used to control environmental impacts from companies
- describe, analyse and compare the environmental- and sustainability management and performance of companies and critically review the goals achieved.

Course contents

Strategies, motivations and driving forces to implement and develop environmental management systems in companies and organisations. Current and emerging environmental management systems and standards as ISO 14001 and GRI Sustainability Reporting, and tools like Corporate Social Responsibility, Codes of Conduct, Environmental- and Sustainability reporting, Climate Indexes.

Examination

- PRO2 - Project, 7.5 credits, grading scale: A, B, C, D, E, FX, 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.

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

Students who have not completed the course with previous examination are asked to contact the examiner.

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.