ML1606 Sustainable Plant - Environmental Engineering 6.0 credits

Den hållbara fabriken - miljöteknik

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

Establishment

Course syllabus for ML1606 valid from Autumn 2017

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

On completion of the course, the student should be able to:

- define and explain fundamental concepts in environmental technology from an industrial perspective in connection to water treatment, waste management, cleaning of air and different media that are handled, e g compressed air
- account for basic solutions in different fields of technology
- analyse the factory operations and maintenance from a environment technology perspective, as well as identify waste and potential hazards connected to the environmental solutions of the factory.
- account for environmental laws and regulations that a factory has to comply to
- compile and present environmental issues for the surroundings

Course contents

- Environmental Technology
- The principles of sustainable production
- Safety of people and environment

Examination

- PRO1 - Project, sustainability analysis, 2.0 credits, grading scale: P, F
- TEN1 - Exam, 4.0 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.

Other requirements for final grade

- Examination
- Sustainability analysis project

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.