ML1608 Maintenance Economy for Sustainable Production 6.0 credits

Produktionsekonomi för hållbarhet

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

Establishment

Course syllabus for ML1608 valid from Autumn 2021

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Completed cours ML1600 or the equivalent.

Language of instruction

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

Intended learning outcomes

After completed course, the students should be able to:

- formulate, choose and apply various business calculations
- complete a joint work in form of a project
- account for how sustainability aspects in industrial production relate to the activities of industrial companies, as well as their way of reporting
- account for life-cycle assessment (LCA) as a method, and make arguments for its suitability
- account for the regulations that controls the frame of external accounting

Course contents

- Results and liquidity, product and investment calculations, as well as profitability calculations and accounting principles
- Industrial sustainable development and the relationship between the economic, social and environmental aspects
- Legislation on sustainability reporting, sustainability accounting and stakeholder engagement
- Life-cycle assessment (LCA)
- Negotiation skills
- Written communication in form of project reporting

Examination

- PROA - Project Work, 1.5 credits, grading scale: P, F
- ÖVNA - Assignments, 1.5 credits, grading scale: P, F
- TENA - Written examination, 3.0 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.

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.