



ML1503 Industrial Systems II

6.0 credits

Industriella system II

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

Establishment

Course syllabus for ML1503 valid from Autumn 2019

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Completed course ML1501 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 passing the course, the students should be able to:

- Account for basic terminology and concepts in production method and production system
- Account for common manufacturing methodologies and production processes in different industries
- Account for the importance of integrated product development in the product realisation process
- Explain the basic principles of digital factories, IT systems and control systems and discuss different sustainability aspects of automation
- Discuss and evaluate different production concepts, given different cases of products and business models

Course contents

Examination

- PRO2 - Project, 1.0 credits, grading scale: P, F
- TEN2 - Written exam, 4.0 credits, grading scale: A, B, C, D, E, FX, F
- ÖVN2 - Exercises, 1.0 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.

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.