



ML1136 Logistics, Minor Course

6.5 credits

Logistik, mindre kurs

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

Establishment

Course syllabus for ML1136 valid from Spring 2018

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

This course is only for students at the Bachelor programme in Mechanical Engineering

Language of instruction

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

Intended learning outcomes

After the course, the students should be able to:

- Explain basic logistics terminology and describe operational logistics processes within producing and distributing businesses
- Explain and apply methods for operational control and strategic development of producing and distributing businesses
- Explain and compare the relevance of different Information and Communication Technology Systems for the logistic area
- Survey, analyse and choose method to streamline the activities of a producing companies' or a supply chain from a logistics perspective.

Course contents

- Basic logistic functions
- Material supply
- Inventory management
- Production planning
- Forecasts
- IT and IoT in logistics

Disposition

lectures
lessons
written assignment
study visits
laboratory exercises

Course literature

Jonsson, P. & Mattsson, S-A. (2016) Logistik – Läran om effektiva materialflöden, Studentlitteratur, ISBN: 978-91-44-11077-6.

Examination

- INL1 - Assignment, 3.0 credits, grading scale: P, F
- TEN1 - Written examination, 3.5 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.

Other requirements for final grade

TEN1 - Examination, 3.5 credits, grading scale: AF

INL1 - Written assignment, 3.0 credits, grading scale: PF

Approved examination and passed project. The final grade is based on the grade of the written examination.

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.