



MG2026 Integration of Industrial IT Systems 6.0 credits

Integration av industriella IT-system

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

Establishment

Course syllabus for MG2026 valid from Autumn 2011

Grading scale

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

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

MG2028 CAD and other IT Tools in Industrial Processes
MG2035 PDM/PLM, or equivalent knowledge

Language of instruction

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

Intended learning outcomes

After this course you should be able to

- describe the main functions and components in different IT tools
- describe the kind of information that is handled by different IT tools and their components
- describe the kind of information that is handled in a company and its different processes
- through configuration, adjust different IT tools to support a company's organization and its different processes
- through application programming, adjust and integrate new and existing IT tools to a company's needs
- use established standards to exchange data and information between different IT systems

Course contents

IT tools in industrial product realization. Information, functions and subsystems in different IT tools. Configuration of IT tools.

API – Application programming of IT tools. Using standards for data and information exchange between different IT tools.

Disposition

Classes are held as lessons, much individual work and interaction with teachers required

Course literature

Depending on project task

Examination

- PRO1 - Project, 6.0 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

Completed project assignments (PRO1; 6cr)

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.