



MG2005 Technology Edge Production Focus Management

15.0 credits

Teknikfront produktion fokus management

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

Establishment

Course syllabus for MG2005 valid from Spring 2011

Grading scale

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

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

English **B** or equivalent

Language of instruction

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

Intended learning outcomes

After a successful participation in this module the students possess:

- a wide understanding for economical concepts and solution and associated process chains, which improves the cross linked thinking
- they will be able to evaluate and improve products, potentials and processes of the production from economical view to enhance performing economical reasonable activities in the day-to-day business and in the context of sustainability
- they will possess fundamental knowledge about the design of business, support and management processes
- they will be able to understand and to estimate basic economical effects related to these processes
- the exercises and project work accompanying the lectures will further improve their cross linked and analytical thinking, their ability to communicate and to work in a team as well as their capacity to solve problems

Course contents

The Technology Edge Production course focusing on Management covers the economics aspects in production management and contains of the following subjects:

Fundamentals of Business Administration

Cost Accounting and Cost Management

Production Controlling

Innovation and Knowledge Management

Organisation and HR Management

Technical English

Project Work

Disposition

Fundamentals of Business administration

cost accounting and cost management

Controlling of production systems

innovation and knowledge management

Organization and HR management

Project work/Industrial case

Examination

- SEM1 - Seminar, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- INL1 - Assignment, 1.0 credits, grading scale: A, B, C, D, E, FX, F
- ÖVN1 - Exercise, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- PRO1 - Project Work, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- INL2 - Assignment, 4.0 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - 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.

PRO1 Project work, 3hp.

TEN , examination 3hp.

INL1, Assignment 1hp.

SEM, Seminars 2hp.

OVN, exercise 2hp.

INL2, Technical report 4hp.

Other requirements for final grade

All parts completed according to examination,

see examination comment

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.