



MG2117 Production, Business and Management 15.0 credits

Produktion, ekonomi och ledarskap

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

Establishment

Course syllabus for MG2117 valid from Spring 2017

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management, Mechanical Engineering

Specific prerequisites

MG1001, MG1006, MG1016, MG1026 or MG2104 and

MG1002, MG2020 or MG2040, MG2028 & MG2029

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 student should be able to:

- apply knowledge and skills from earlier courses and acquire new knowledge when necessary
- identify, compare and critically assess aspects of a complex production engineering related problem that requires knowledge within production, business and management for its solution
- apply models and practical methods for preparing and suggesting a solution to a complex production engineering related problem that requires knowledge within production, business and management for its solution, considering relevant scientific, social, ethical and sustainability aspects
- organise, handle and lead a complex project that runs over a long period of time, in collaboration with employers and project members
- present the work both in writing and orally, in a scientific and convincing way
- argument for the chosen working methods and the reliability of the results when they are exposed to criticism, and give constructive criticism to an equivalent project task

Course contents

The course is carried out in project form.

The projects are carried out as a cooperation between KTH and companies that are the employers of the projects. The emphasis for the projects lies within the production engineering field, i.e. is mainly of technical character, but it also contains important aspects of business and management.

Disposition

The projects are usually carried out in groups of three students and are supervised both from Department of Production engineering and from Department of Industrial economics and organisation.

Besides the final presentation that is to be delivered both in writing and orally, problem formulation and other intermediate seminars are compulsory. Furthermore, an oral review of another project work is required. In most cases, an oral presentation at the employer is also held.

Examination

- PRO1 - Project Assignment, 15.0 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.