



MG105X Degree Project in Product Realization and Industrial Engineering, First Cycle 15.0 credits

Examensarbete inom produktframtagning och industriell ekonomi, grundnivå

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

Establishment

Course syllabus for MG105X valid from Autumn 2015

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Admitted to CINEK3 PFRI, and 120 cr completed

Language of instruction

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

Intended learning outcomes

After passing the degree project course, the student should be able to:

- formulate problem statement/research question and use scientific methodology in the area of "Product realization and industrial engineering"
- apply knowledge and skills acquired during studies, on a problem related to the given theme
- plan one's own work to ensure that given milestones will be reached
- identify the need for scientific information, carry out information search and retrieval and critically review the retrieved information
- present the work in a technical report that fulfills the given requirements on contents, structure and language
- in the report, refer to sources, figures, tables and formulae, in an established way
- write a summary of the report in English with correct use of the terminology of the subject
- carry out oral presentations with requirements on keeping to time limits, clear contents, language, delivery and illustrations
- review and comment on a technical work and be able to respond to criticism on ones own work

Course contents

One common theme within which the students have to find and formulate their own problem statement

Inspirational lectures on the given theme

Supporting lectures on scientific work: information search and retrieval, scientific work methodology, scientific writing, etc.

Oral presentation at seminars

Throughout the entire course: Independent work on problem statement, information search and retrieval, project planning, oral presentations and thesis writing

Disposition

Seminars, information search workshop, report writing, oral presentations and opposition on another degree project

Course literature

Publiceras via Bilda

Examination

- XUPP - Examination Question, 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.

Other requirements for final grade

Passed

Examination question (XUPP; 15 cr)

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.