ML1609 Quality Technology and Improvement 6.0 credits

Kvalitetsteknik och förbättringsarbete

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

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for ML1609 valid from Autumn 2018

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Specific entry requirements: The courses ML1600, ML1604 and ML1605, or the equivalent.

Language of instruction

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

Intended learning outcomes

On completion of the course the student should be able to:

• account for how continuous improvement and design of experiments in industrial maintenance is carried out
• systematically address problem solving in technical applications
• explain methods and philosophies in continuous improvements as well as compare the applicability of those
• plan for and use relevant approaches, working methods and tools in industrial continuous improvement

Course contents

Concept/tools as well as non-statistic and statistical improvement methods used in deviation management and improvement work in industry.

Examination

• SEMA - Seminar assignments, 1.5 credits, grading scale: P, F

• TENA - Written examination, 1.5 credits, grading scale: A, B, C, D, E, FX, F

• ÖVNA - Assignments, 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.

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.