



MG2013 Advanced Welding Technology, Modulus 1 6.0 credits

Svetsteknologi, högre kurs, modul 1

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

Establishment

Grading scale

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

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

4G1332 Materials Processing, 4 credits, 4G1632 Materials Processing, 4 credits.

Language of instruction

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

Intended learning outcomes

To give deeper knowledge of structural parts and constructions

- knowledge of fundamental physical background of welding arcs
- knowledge of welding machines advantages and disadvantages in different situations
- knowledge of system for welding advantages in robots for flexible welding
- ability to formulate new standards, rules and prescriptions regarding welded elements.

Course contents

Examination

- TEN1 - Written exam, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 3.0 credits, grading scale: P, 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

Written examination (TEN1; 1,5 credits), lab work (LAB1; 3 credits) and exercises (ÖVN1; 1,5 credits).

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.