MG1010 Introductory Welding Technology, General Course 6.0 credits

Svetsteknologi, allmän kurs

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

Establishment

Course syllabus for MG1010 valid from Autumn 2007

Grading scale

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

Education cycle

First cycle

Main field of study

Mechanical Engineering, Technology

Specific prerequisites

Thorough knowledge of steel and non-ferrous metals; constitutional diagram, types of structure, heat treatment and strength properties.

Language of instruction

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

Intended learning outcomes

To give

- fundamentals in materials technology of welding
- fundamentals in processing of welding
- fundamentals in strength of materials in welded constructions
- ability to evaluate breakdown safety in a construction during normal operation
- ability to choose material and process to give structural strength.

Course contents

A survey of problems in welding technology with a concentration on weldability of steel and welding methods.

Examination

- SEM1 - Seminar, 0.0 credits, grading scale: P, F
- TEN1 - Examination, 6.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 0.0 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; 6 credits), seminars (SEM1; 0 credits) and lab work (LAB1; 0 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.