



# MG2016 Enlarged Welding Technology for EWE/IWE 6.0 credits

Svetsteknologi, påbyggnadskurs för EWE/IWE

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

## Establishment

Course syllabus for MG2016 valid from Spring 2012

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Mechanical Engineering

## Specific prerequisites

MG1010 Introductory Welding Technology, general course  
MG1011 Introductory Welding Technology, advanced course  
MG1012 Non-Destructive Testing  
MG2013 Advanced Welding Technology, Module 1  
MG2014 Advanced Welding Technology, Module 2  
MG2015 Advanced Welding Technology, Module 3

or equivalent

## Language of instruction

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

## Intended learning outcomes

Upon completion of this course you will

- have knowledge about and ability to use important standards for quality assurance and production of welded constructions
- be able to select proper material and components for welded constructions, according to best practice
- be able to develop proper procedures for welding manufacturing

## Course contents

Exercises, studies of use cases and presentations on application solutions

## Disposition

The course is given during two full weeks of intense studies.

External experts give lectures and exercises in their expertise areas.

Seminars with discussions in conjunction with lectures

Oral and written presentations of individual case studies and laboratory exercises

## Course literature

SIS HB 514 Kvalitetssäkring vid svetsning; In Swedish

Handouts distributed during the course

## Examination

- ÖVN1 - Exercise, 1.5 credits, grading scale: P, F
- TEN1 - Written exam, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 1.5 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.

In addition to the written examination, sufficient attendance is required

## Other requirements for final grade

Case study (ÖVN1, 1,5 cr)

Laboratory exercises (LAB1, 1,5 cr)

Written examination (TEN1, 3,0 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.