



# MG2213 Flexible Assembly Systems 12.0 credits

Flexibla monteringsystem

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

## Establishment

Course syllabus for MG2213 valid from Autumn 2008

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Mechanical Engineering

## Specific prerequisites

MG2204 Manufacturing Technology and Planning  
MG2205 Operations Management eller motsvarande

## Language of instruction

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

## Intended learning outcomes

- The student should, after attendance of the course, have obtained:  
Knowledge of the preconditions required for successful assembly
- Knowledge of assembly principles, as well as of the components that constitute assembly systems (both manual and automatic)
- Knowledge of the modifications and design changes required to adapt product designs to the successful implementation of assembly systems
- Knowledge of design methods, especially Design for Automatic Assembly
- Knowledge of how assembly systems interact with the other production processes
- Knowledge of how assembly system development projects are structured and managed
- Knowledge of research and development work in the given topic

## Course contents

### Examination

- INL1 - Assignment, 5.0 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - Examination, 7.0 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

Written exam (TEN1; 7 hp)

Assignments (INL1; 5 hp)

## 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.