



MG2037 Industrial Adhesive Bonding 6.0 credits

Industriell limningsteknik

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 MG2037 valid from Autumn 2007

Grading scale

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

Education cycle

Second cycle

Main field of study

Specific prerequisites

Mg1003 Product realization 1 for M or eql.

Language of instruction

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

Intended learning outcomes

After the completion of the course the participants will be able to construct and specify an industrial adhesive bond.

Course contents

Economy, survey of adhesive and different possibilities for example on adhesive construction, demonstrations, application fields, practical bonding theory, projection of adhesive bonding, bond formation, strength, production point of view, treatment of bonds, metal, thermoplastic, composite materials, elasticity, work hygiene, what laws say, hard plastic, the risks involved, production of equipments, treatment, blending and dosing, applications, long duration bonding, effects on long duration bonding, how to improve long duration bonding, quality assurance, testing possibilities, production process, risks for wrong checklists.

Disposition

The course provides knowledge in latest potential of industrial adhesive bonding. The course content provides an insight and the advantages of adhesive bonding. During the course participants will encounter many practical examples on industrial adhesive bonding. The course is developed with close collaboration with suppliers, industrial users and consultants.

Course literature

Self developed course literature and commercial information material.

Examination

- INL1 - Assignment, 1.0 credits, grading scale: P, F
- STU1 - Study Visit, 1.0 credits, grading scale: P, F
- TEN1 - Written exam, 4.0 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.

Other requirements for final grade

Examination (TEN1; 4 Credits) Approval of submitted report (INL1; 1 Credits) Participation in study visit (STU1; 1,0 Credits) Grade a-F

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.