



MF1048 Introduction to Technology for Technology Teachers

17.0 credits

Teknikens grunder för tekniklärare

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

Establishment

Course syllabus for MF1048 valid from Autumn 2013

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

Course contents

Course literature

Apazidis, Nicholas (2004). Mekanik. Lund: Studentlitteratur

Boylestad, Robert L. (2010). Introductory circuit analysis (12:e upplagan). Upper Saddle River, New

Jersey, USA: Prentice Hall

Ginner, Thomas & Mattsson, Gunilla (1996). Teknik i skolan. Lund: Studentlitteratur.

Gyberg, Per & Hallström, Jonas (red.)(2009). Världens gång – teknikens utveckling. Lund:Studentlitteratur.

Sundin, Bo (2006). Den kupade handen. Stockholm: Carlssons bokförlag.

Vries, Marc de (2005). Teaching about technology. Dordrecht, Nederländerna: Springer.

Folkeson, A. (2003), Kommunikation för ingenjörer. Maskinkonstruktion, KTH, 2003

Kursmaterial som omfattar bland annat skissteknik, CAD, arbetsmetodik i produktframtagning.

Dessutom tillkommer undervisningsmaterial i elektroteknik.

Examination

- PRO1 - Project Work in Design and Product Realization, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- TEN2 - Examination, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- VFU2 - Placement, 2.0 credits, grading scale: P, F
- LAB3 - Laboratory Sessions in CAD, 1.5 credits, grading scale: P, F
- LAB2 - Laboratory Sessions, 2.0 credits, grading scale: P, F
- INL1 - Written Assignments, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- INL2 - Written Assignment, 1.0 credits, grading scale: P, F
- INL3 - Hand in Assignment in design, 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.

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.