ME2041 Psychology for Engineers 6.0 credits

Psykologi för ingenjörer

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 ME2041 valid from Autumn 2009

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

Industrial Management, general course, or ME1013/ME1009, or ME1010 or equivalent.

Language of instruction

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

Intended learning outcomes

After completing the course the student will be able to:

- Have an understanding of the basic facts of developmental psychology, perception psychology, social psychology and work psychology;
- Have an increased understanding of the human being and working life;
- Be able to use his/her knowledge at the design of information and production system, as well as work organization and management;
- Be able to present a project of his/her own choice orally as well as in writing.

Course contents

- Developmental psychology: children, adolescence and adulthood;
- Perception and cognitive psychology: perception, memory, thinking and problem solving;
- Motivation, emotions, personality;
- Social psychology: management, working groups, stress;
- Work psychology: work in different environments e.g. complex systems.

Project: A literature study of a psychological issue.

Course literature

Passer & Smith (last edition). Psychology-the science of mind and behaviour. McGraw Hill.

Examination

- LAB1 - Laboratory Work, 1.0 credits, grading scale: P, F
- PRO1 - Project, 1.5 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - Examination, 3.5 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.

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.