



MF2051 R&D Strategy and Organization 6.0 credits

F&U Strategi och organiserings

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

Establishment

Course syllabus for MF2051 valid from Autumn 2014

Grading scale

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

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

The course is open for students studying year four or five.

Language of instruction

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

Intended learning outcomes

After having taken this course, students will have acquired the following knowledge and skills:

- Be familiar with how theory regarding strategy and organization has evolved over time.
- Be able to apply basic concepts, theories and analytical frameworks related to strategy and organization.
- Be familiar with different ways of organizing firms, and how these structures relate to corporate and business strategy.
- Understand the pros and cons of different ways of organizing R&D.
- To know about different integration mechanisms that can be used when organizing R&D.
- Be able to analyze the interplay between R&D and different corporate and business strategies and their implications for how firms should organize development activities.

Course contents

The course aims at introducing different theories and frameworks related to strategies and organization, with specific focus on Research and Development (R&D). Specific emphasis is put on the understanding of company's strategy and organization related to development, and to come up with recommendations regarding what the company should do. Interaction between R&D, organization and strategy is central for understanding the context in which product innovation takes place. The course gives an important contextual understanding within

Course literature

Grant, R.M. (2010), Contemporary strategy analysis, Blackwell Publishing, Oxford, UK.

Scientific papers and extract from books.

Examination

- PRO1 - Project, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - Examination, 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.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

To pass this course requires approved assignment, written and oral presentation (PRO1; 2,0 hp) and approved written examination (TEN1;4,0 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.