



ME2069 Managing Research and Innovation 6.0 credits

Ledning av forskning och innovation

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 ME2069 valid from Autumn 2011

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

Specific entrance requirements according to educations at KTH. A minimum of 36 credits within the subject area of Industrial management.

Language of instruction

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

Intended learning outcomes

- Describe the implications of and apply traditional organization models for innovation and R&D within an organizational and business context.
- Discuss and reflect over in which particular situations such models are relevant and relate these discussions to recent research of the subject area.

e.g.

- o Discuss and contrast a market view on knowledge (technology transfer) and a cooperative view on knowledge (networks/collaborations)

- o Discuss and argue for different types of product development processes (e.g. stage/gate-models compared with more agile models)

and

- Overview and describe different forms of intellectual properties and describe important aspects of these in the innovation process

Course contents

The main content of the course is structured according to the main topics:

- Innovation management
 - o The importance of innovation (in a broader context)
 - o Organization and operation of innovation
 - o Managing intellectual properties
- Managing technology and knowledge
 - o Managing organizational knowledge
 - o Strategic alliances and networks
 - o Managing research and development and R&D projects
 - o Open innovation and technology transfer
- New product development
 - o New product development and the firms strategy and growth
 - o New product development and marketing
 - o Service innovation

The course content is based on the textbook and a number of academic articles related to managing research and innovation. The course could be described as theoretical in its focus,

where discussions in seminars and ability to create strong argumentation in written reports are essential skills.

Disposition

The course outline is based on lectures and seminars.

Course literature

Trott: Innovation Management and New Product Development and distributed articles.

Examination

- INL1 - Assignment, 1.0 credits, grading scale: P, F
- SEM1 - Seminar, 1.0 credits, grading scale: P, F
- TEN1 - 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

Pass grade on all seminars, reports, and the written exam. In addition, active participation in discussions and seminars.

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.