



# MF2012 Innovation Engineering

## 30.0 credits

Innovativ produkt- och affärsutveckling

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

### Establishment

Course syllabus for MF2012 valid from Autumn 2008

### Grading scale

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

### Education cycle

Second cycle

### Main field of study

### Specific prerequisites

The participants are expected to have fulfilled a specialization on D-level (or similar) within any area.

### Language of instruction

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

# Intended learning outcomes

The participants of the course are expected to:

- develop their innovative capability through problem driven and experience based learning
- develop their ideas to commercial products and businesses
- experience innovative product development, the innovation process and the innovation system
- experience entrepreneurial activity, leadership, financing and business planning
- understand patent rights, intellectual property etc.
- actively utilize student projects and academic research in technological- and product development
- understand prerequisites for new and small enterprises in Sweden
- actively utilize existing support and mechanisms for innovators and entrepreneurs in existing innovation systems

## Course contents

Participants follow course modules and workshops in innovation, innovative development, entrepreneurship, financing, business planning, patent rights, branding etc.

The participants are offered work facilities for meetings, prototype manufacturing and course work.

During the course, the participants are offered coaching from representatives from industry, innovators, business developers and teachers from KTH. Participation in mentorship programs are offered together with network for business angels and contacts with financiers.

The course are preferably taken during the fourth or fifth year, either before, during or immediately after the master thesis project.

## Course literature

Will be specified at course start.

## Examination

- PRO2 - Project, 7.5 credits, grading scale: P, F
- PRO1 - Project, 7.5 credits, grading scale: P, F
- PRO4 - Project, 7.5 credits, grading scale: P, F
- PRO3 - Project, 7.5 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.

## Other requirements for final grade

Fulfillment of all project parts.

(PRO1; 7,5 cr), (PRO2; 7,5 cr), (PRO3; 7,5 cr), (PRO4; 7,5 cr)

## 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.