



# ME2072 Entrepreneurship for Engineers 6.0 credits

Entreprenörskap för ingenjörer

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

## Establishment

Course syllabus for ME2072 valid from Autumn 2012

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Industrial Management

## Specific prerequisites

Internationally recognized bachelor's degree Bachelor's Degree in Electrical(Electronic Engineering, Computer Science, Computer Engineering, Computer Science or Information Technology, including at least 60 ECTS (credits) courses in computer science, basic digital and analogue electronics, basic control theory, computer architecture and Programming, and at least 30 ECTS in mathematics, including analysis (calculus), linear algebra and mathematical statistics.

## Language of instruction

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

## Intended learning outcomes

- In depth understanding of the general process and roles involved in developing an idea and starting up a new technology-based company
- The ability to systematically explore customers and markets
- In depth understanding and the ability to systematically explore business organization and projects
- In depth understanding and the ability to systematically explore basic product and process development
- In depth understanding and the ability to systematically explore basic entrepreneurial finance
- In depth understanding and the ability to systematically explore the important elements in managing companies and developing its human resources.

## Course contents

The subject Entrepreneurship for ICT engineers is an integrative course on the basics of entrepreneurship and innovation management. The course focuses on the in-depth understanding of aspects as idea generation, technology-based entrepreneurship, marketing and markets, organization and project management, new product and process development, entrepreneurial finance and human resource development. The students are expected to achieve capabilities to systematically explore the mentioned aspects in group assignments.

## Disposition

The basic course is based on introductory lectures into the above topics. In addition, the students get presentations from entrepreneurs and visit entrepreneurial venues; companies, incubators, customer etc. Much of the group work given by faculty/entrepreneurs is supported by coaches. Every study week is divided into 1 h introductory lecture, 1 h presentation from practitioners, and 1 h work on coached group assignments. In addition there are a number of site visits.

## Course literature

John Mullins: The New Business Road Test: What entrepreneurs and Executives Should Do Before Writing a Business Plan;

Terrence Brown: The Entrepreneurs's Blackbook - Distilled Wisdom for Entrepreneurs (to be published in 2013).

## Examination

- INL1 - Assignments, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- INL2 - Written Report, 3.0 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.

50 % Group Assignment + 50 % Examination

## 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.