ME2062 Technology-based Entrepreneurship 7.5 credits

Technology-based Entrepreneurship

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

Establishment

On 11/04/2019, the Dean of the ITM school has decided to establish this official course syllabus to apply from spring term 2020 (registration number M-2019-0769).

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

Satisfies the requirements for a Degree of Bachelor of Science

ME1003 Industrial Management, Basic Course or ME1314 Introduction to Industrial Engineering and Management completed

Language of instruction

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

Intended learning outcomes

The course turns to engineering students who want to obtain an understanding of technology and leadership in connection with technology-based entrepreneurship. Since this course focuses on innovation and start-ups, the participants are expected to take an active role in the course and his learning.

After passing the course, the students should be able to:

1. describe and analyse how entrepreneurship in theory and practice can equip the entrepreneurial decision-making process with information about the initial stage for a new technology-based company
2. by means of frameworks, organise, critically evaluate and integrate relevant information to give decisive recommendations on measures in a given entrepreneurial situation
3. choose and use tools to identify technology related problems or needs and in such a way create a foundation for start, growth and management of technology-based companies
4. produce professional reports and presentations compiled through cooperation in groups
5. show oral and written communication skills by using convincing and factual arguments as support for justified leadership measures

Course contents

The course is intended to give a broad practical experience when creating new technology-based companies. The course constitutes an appropriate starting point for engineering students, since it is not only based on formulae, but also on conceptual thinking and analysis. The students will read classical literature in the area but also modern works. The students will write a number so-called short be papers and a longer final project. Several different teaching methods are used in the course: lectures, case studies, workshops and guest lectures. During the course, a series of seminars through a group-based computer simulation are also carried out. Students who complete the course will understand the importance of technology-based entrepreneurship for the society.

Examination

- SEM1 - Seminar, 3.5 credits, grading scale: P, 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.

The assessment will decide the student's final grade.

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.