



ME2092 Management of Technology Innovation and Creativity 6.0 credits

Ledarskap för teknologisk innovation och kreativitet

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

Establishment

Course syllabus for ME2092 valid from Autumn 2015

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

6 ECTS credits of industrial management or the equivalent. For example ME1032, ME1303 or comparable courses should be completed. Students on other programs (for example Erasmus students) can apply for exemption.

Language of instruction

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

Intended learning outcomes

On completion of the course, the student should be able to:

- present and critically discuss mechanisms behind industrial and technical transformation
- be able to develop and present leadership processes for industrial and technical transformation
- present and critically discuss the research area with a focus on technical and industrial transformation and leadership for this
- understand and account for what industrial creativity is and develop and present leadership processes for creativity

Course contents

Given that the students have basic knowledge within economics, leadership and industrial and technical change, this course focuses on leadership for these processes. Important concepts in the course include dominant design, different classifications of innovations (such as architectural, modular or radical innovations) and these are related to learning, leadership and business models. Different forms to organise the innovation process is analysed. The concept of innovation management is also related to entrepreneurial processes and industrial creativity, within both production and services. Furthermore, the course deals with funding issues and immaterial rights in connection with innovation. The students will also develop plans for organisation and leadership that stimulates innovation and creativity.

Course literature

Tidd & Bessant, 5th ed. (2013), Managing Innovation

Kiholm-Smith, Smith & Bliss (2011), Entrepreneurial Finance (kap 1 & 3)

Sundbo, 2005, Contemporary Management of Innovation (kap 1)

Whetten & Cameron, 8th ed. (2011) (utdrag)

Distributed material and scientific articles

Material collected by the students themselves

Examination

- SEM1 - Seminar, 1.5 credits, grading scale: P, F
- TEN2 - Examination, 1.5 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - Examination, 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.

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.