



MF2087 Innovation Management - Theory and Practice 7.5 credits

Innovationsledning - teori och praktik

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

Establishment

On 2024-04-15, the Head of the ITM School has decided to establish this official course syllabus to apply from autumn semester 2024 (registration number M-2024-0625):

Grading scale

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

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

Bachelor of Science, subject area mechanical engineering or equivalent.

Furthermore the courses MF2084 Managing research and development, MF2046 Product innovation, MF2085 Innovation and product development processes, or courses with equivalent contents.

Language of instruction

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

Intended learning outcomes

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

1. analyse and critically evaluate literature in the field of innovation management,
2. independently choose literature that is relevant for innovation work in the industry and for a sustainability-driven transformation of society,
3. orientate oneself in the literature field,
4. evaluate the research design in a scientific project with regard to the chosen research method and theoretical foundation,
5. use scientific literature to analyse problems in practice,
6. adapt scientific literature to a practice oriented audience and describe it in an appropriate way,
7. independently write a text that is based on the research in innovation management,
8. hold a dialogue about scientific literature in groups, in order to be able to assimilate research in the area of innovation management, and with that be able to develop and lead a change of innovation work in practice.

Course contents

One activity in the course are self-studies of scientific articles aiming at the students becoming familiar with the theory in innovation management and being able to relate critically to academic texts.

The students also analyse practice, individually and in groups, to further deepen the knowledge from read articles and to be able to individually apply research results in a practical context.

Furthermore, the students will formulate and justify in writing their own understanding and analysis results with the aim of using the theory in relation to the practice where the students should convert theory into own texts, adapted to a certain audience. Course aim to give ability to assimilate research in innovation management so that it can be utilised and used to develop practice. The practice is strongly characterised by a sustainability-driven societal adaptation, which is studied in relation to the innovation management research.

Examination

- SEMA - Seminars, 1.5 credits, grading scale: P, F
- LITA - Literature, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- PROA - Project, 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.