



ME2067 Industrial Transformation and Technical Changes (IT-TEC) 6.0 credits

Industriell omvandling och teknisk förändring (ITTEC)

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

Establishment

Course syllabus for ME2067 valid from Spring 2020

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

ME2501 Perspectives on Industrial Management completed

Language of instruction

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

Intended learning outcomes

After the course students will be able to:

- Critically discuss the mechanisms that underlie industrial transformations and technical changes and their implications
- Evaluate theoretical concepts and current research from the field of industrial dynamics for managing technological and industrial change processes
- Write an analysis related to industrial and technological change and independently discuss problem formulations and their solutions to tackle complex change
- Present results and conclusions based on a scientific investigation for different types of audiences

Course contents

The course is based on a consecutive series of lectures. In addition, the students are to conduct a study with the aim of analyzing an authentic company's handling of a current transformation process using theoretical concepts from industrial dynamics and "management of innovation". The examination is done through a series of seminars that focus on problem definition, purpose, research questions and sources. The students are trained in how to combine different knowledge areas to make a complex reality researchable.

The course includes activities aimed at deepening the knowledge in scientific method, academic writing, and presentation. The course supports the whole program's learning objectives through a deepening of the problem-based approach introduced in ME2501 (which continues in the course ME2502).

Examination

- INL1 - Assignment, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- SEM2 - Seminars, 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.

KTH program students who participate in official KTH exchange programs may, after consultation with examiner, complete the course assignments (or similar assignments) from abroad.

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.