



ME2323 Research Frontiers in Industrial Management 6.0 credits

Forskningsfronter inom industriell ekonomi

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

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

On 15/10/2021, the Dean of the ITM School has decided to establish this official course syllabus to apply from spring term 2024 (registration number M-2021-2031): M-2023-0691.

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

Completed ME2321 Engineering work and global challenges.

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 students should be able to:

1. Identify and collect relevant research in a chosen domain/track
2. Provide arguments for, and analyze main research trends in the chosen field
3. Explain, compare and critically review research results, assumptions, and perspectives by studying research published in the chosen research domain
4. Formulate a research question in the chosen research domain and after that analyze it collecting and screening relevant research.

Course contents

The course intends to give students specialized knowledge of current research in the main field area of industrial engineering and management, and thereby train the ability to use this in research-based analyses. The course is based on specialized theoretical studies within one of the following research domains:

- Operations and supply chain management
- Management of innovation and organisations (management of innovation and organization management),
- Corporate finance and management control

In each field/track, current research is explored and main streams of research identified. Furthermore, the course highlights important research contributions that influence the specialisation and important concepts of the research, models, and theories.

The course is based primarily on studies and analyses of research articles that are central for respective field. Current problems, perspectives, levels of analysis, limitations, and conflicting perspectives in the different fields are discussed.

Examination

- PRO1 - Project, 1.0 credits, grading scale: A, B, C, D, E, FX, F
- SEM2 - Seminars, 2.0 credits, grading scale: P, F
- TEN1 - Oral exam, 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.

Other requirements for final grade

Attendance to course seminars is compulsory.

Transitional regulations

Admitted students who have not completed the course with previous set of examination parts will be examined within the scope of the new examination parts.

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.