



MF2073 Research Methodology in Organisation and Manage- ment 9.0 credits

Forskningsmetodik i organisation och ledning

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

Course syllabus for MF2073 valid from Autumn 2013

Grading scale

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

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Language of instruction

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

Intended learning outcomes

Conduct scientific work:

- Collect, describe and analyze current research
- Based on the current research formulate one or more research questions or hypotheses
- Apply appropriate research methods
- Collect data using the selected methods
- Describe and analyze the collected data with the selected methods
- Discuss the results in relation to previous and future research
- Discuss the weaknesses and strengths of your own and others' research
- Demonstrate analytical and critical thinking
- Apply KTH ethics for copying and citation of others' work

Course contents

The course offers specialization into the subject area of organization and leadership, as well as knowledge regarding the methods and approaches required to begin a master thesis and post graduate studies. The knowledge that the course provides is also necessary in more practical activities in order to understand and make use of research in this area. Based on a practical engineering task, the participants will also reflect on the knowledge and study of organization and leadership.

Participants will engage in a scientific work: collect, describe and analyze current research, based on current research formulate one or more research questions or hypotheses, apply appropriate methods; collect data using the selected methods, describe and analyze the collected data using selected methods; discuss the results in relation to previous and future research, and to discuss weaknesses and strengths of their own and others' research.

The research will be presented verbally and in writing. The texts are to be peer reviewed as well as analyzed and discussed by the participants during seminars and in written form.

Specific prerequisites

BSc in Mechanical Engineering or similar.

Examination

- INL1 - Assignment, 3.5 credits, grading scale: A, B, C, D, E, FX, F
- LIT1 - Literature Task, 4.0 credits, grading scale: A, B, C, D, E, FX, F
- SEM1 - Seminar, 1.5 credits, grading scale: P, 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.

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.