ME2502 Change Project in Industrial Management 12.0 credits

Förändringsprojekt inom Industrial Management

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

Establishment

Course syllabus for ME2502 valid from Autumn 2016

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 and a minimum of 36 credits within the subject area of Industrial management.
- Registration on the master program TINEM.

Language of instruction

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

Intended learning outcomes

s's'After the course students will be able to:

- Formulate a concrete researchable problem based on an authentic industrial problem.
- Analyze and generate solutions to complex and real-world challenges in the field of industrial management with focus on for example changes in product development, production, and marketing
- Analyze and evaluate changes in industrial and technology intensive organizations from a systems perspective
- Critically evaluate and apply theories and models in the field of industrial management
- Lead and work in project groups with different responsibilities and roles
- Apply the concept of sustainability on an authentic challenge, identified in an industrial organization and make recommendations for improvement measures.
- Evaluate other students' performance and results, as well as to provide feedback
- Critically discuss other students' scientific work and judgments with regard to ethical and societal aspects
- Communicate their own views, judgments, and results - both orally and in writing - to companies and course management

Course contents

The course content is structured around the implementation of a major change project. In parallel and integrated with the students' own work with the change project are lectures and seminars where theory is presented and discussed. Particular emphasis is placed on leadership theory / change management, organizational and business development, interactions between fields in Industrial management (systems perspective), and scientific and methodological approaches.

- Implementation of a major change projects in industrial and technology intensive organizations
- Present findings and recommendations in the form of a comprehensive academic report
- Lectures and seminars are aimed at deepening of the knowledge of change management, systems perspective and the scientific approach
- Seminars, presentations, interim- and final reporting associated with their own change project given in front of the management and company representatives
- Seminars for evaluating other students' scientific work
- Continuous interaction with representatives of the companies that are the subject of the change project and its organizations (study visits, data collection and guest lectures)
- Personal reflection and feedback through the work on the individual examination portfolio (including the task to individually discuss and exemplify the fulfillment of the course's specified learning outcomes)

Disposition

The course consists of lectures and seminars mainly linked to the deepening of the knowledge in change management, systems perspective and scientific approach. A significant portion of the course is performed in projects where students work in groups with a given industrial change project.

Course literature

Mainly the course is based on scientific articles and reports (to be announced in advance of the course start) and on students' literature studies related to the project (minimum 15 scientific journal papers have to be referred).

Examination

- PRO2 - Project, 6.0 credits, grading scale: A, B, C, D, E, FX, F
- SEM1 - Seminar, 1.0 credits, grading scale: P, F
- INL1 - Assignment, 1.0 credits, grading scale: P, F
- PRO1 - Project, 1.0 credits, grading scale: P, F
- INL2 - Assignment, 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.

The final grade is based on the sutudent's individual examination portfolio PRO2 (2/3) and the students's part of the results of the final report INL2 (1/3).

Other requirements for final grade

Note: The first two weeks of the course includes mandatory lectures/seminares that everyone needs to attend to pass the course.

Pass on all seminars, the problem formulation and the project plan, the implementation report, theory and self-assessment, and final individual examination portfolio. In addition, reqired active participation in discussions and seminars, as well as documented participation of company visits and project related work.

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.