



ME2017 Project Management: Leading Project-based Operations 6.0 credits

Projektleddning: Ledning av projektbaserad verksamhet

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 ME2017 valid from Spring 2012

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

Basic Course in Project Management, or similar.

Documented proficiency in Swedish B and English B or equivalent.

Language of instruction

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

Intended learning outcomes

The aim of the course is to develop the student's knowledge on industrial project management and management of project-based operations. After passing the course, the participant shall be well prepared to take part in managerial functions in industrial projects. The participant shall also have reached the level of theoretical knowledge required for taking the certification test Certificated Project Management Practitioner (IPMA level D), issued by International Project Management Association.

To pass the course you should be able to:

- Give account for how projects as a work form historically have developed to an important organizational principle, and also explain its effects on modern Swedish industry
- Give account for and also give examples of methods and models for programme- and project portfolio management in a multi project setting
- Explain and adapt the tools and techniques used to initiate, establish and execute programme and project portfolios in a multi-project setting
- Explain what a project management office is and what responsibilities it normally has.
- Develop a multi project management model for a specific project-based organization
- Categorize and summarize the problems that arise when it comes to learning, knowledge management and communication in a multi project setting. And also be able to explain how these normally is handled.

For a higher grade you should also be able to:

- Describe, explain and analyse how, and with what purpose, a project management office can and should be placed in the organizational design depending on what kind of business being projectified
- Describe, explain and analyze what challenge multi project management often faces, and at the same time which limits traditional (muti) project management literature has concerning this
- Describe what individual and organizational problems that arises in a multi project setting and also reason around how these should/could be handled depending of what kind of business being projectified
- Describe, analyze and reason around how the concept of Project Maturity can be used and enhanced in a multi project setting to increase its competitiveness.

Course contents

The course focus on management of project-based organizations and operations. This implies a focus on the organization and management of multi-project settings, including project selection, standardized project management models, project offices and project maturity

models. The course also prepares for personnel management in project-based operations, and problems of learning and communication are discussed. Representatives of leading organizations in Sweden participate on a guest lecturer basis.

Course literature

Will be announced in the course PM.

Examination

- INL1 - Assignments, 2.0 credits, grading scale: P, F
- SEM2 - Seminar, 1.0 credits, grading scale: P, F
- TENA - Examination, 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

Written examination. Hand in written assignment. Participate in the guest lectures. Participate in at least three seminars. Participate in the oral examination of the written assignment.

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.