ME2017 Project Management: Leading Project-based Operations 6.0 credits

Projektledning: 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 2017

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

A basic course in Project Management is needed (ME1306, ME2015, ME2016 for instance) or similar.

Documented proficiency in 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 of 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.

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 seetting 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 competiveness.

Course contents

This course 's overall objective is to provide in-depth theoretical and applied knowledge and understanding of current research within the project management area. The course is therefore designed to provide students with research-based expertise focused on management of project-based organizations.

This means that questions regarding management, control and organizing of project intensive activities are in focus, for instance processes for project selection, prioritization and resource allocation are discussed. Also issues regarding organizing of project management offices, program management, project maturity and project expertise in organizations and the benefits of standardized models for project management will be covered. Furthermore, the course gives insights on the challenges for human resource management, evaluation and learning in project-based organizations.

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

An approved examination and assignments.

Mandatory participation in seminars and guest lectures.

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.