



# ME2017 Project Management: Leading Project-based Operations 6.0 credits

Projektledning: Ledning av projektbaserad verksamhet

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Course syllabus for ME2017 valid from Autumn 07, edition 1.

## 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.

After passing the course, the participant shall be able to:

- Describe why and how project competence can be used to enhance the competitiveness of modern industrial organizations
- Describe how the project form has historically developed into an important organizational principle in modern business life
- Describe and explain what challenges that face a leaders in a multi-project setting and what the limitations the traditional project management knowledge has in this respect
- Explain and apply models for project selection and portfolio management in multi-project settings
- Explain what a project office is and what areas of responsibility normally assigned to such an office
- Explain what human and organizationa problems they may appear in multi-project setting and how they can be handled
- Describe the problems organizational learning and communication in a multi-project setting and how they can be handled
- Create a standardised project management model for a limited operation in a project-oriented company or a multi-project setting

## Course main content

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.

## Eligibility

ME2015/4D1047 Project Management: Leadership and Control (4D1071) or ME2016/4D1048 Project Management: Leadership and Control (4D1073) or ME1400/4D1600 Byggprojektledning (1F1560).

## Literature

Söderlund, J (2005) Projektledning och projektkompetens. Malmö: Liber.

Sebestyén, U. (2006) Multiprojektledning: Skapa puls i produktutveckling med lean tänkande. Rönninge: Parmatur.

Multiprojektledning: En artikelsamling (KTH:INDEK)

## **Examination**

- SEM1 - Seminar, 3.0 credits, grade scale: P, F
- TEN1 - Examination, 3.0 credits, grade scale: A, B, C, D, E, FX, F

## **Requirements for final grade**

Written exam, seminar reports and active participation in seminars