



ME2601 Industrial Project Management 6,0 hp

Industrial Project Management

När kurs inte längre ges har student möjlighet att examineras under ytterligare två läsår.

Fastställande

Kursplan för ME2601 gäller från och med HT07

Betygsskala

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

Utbildningsnivå

Avancerad nivå

Huvudområden

Industriell ekonomi

Särskild behörighet

Student accepted for the Industrial Management within the Erasmus Mundus-programme.

Enbart för IMIM

Undervisningsspråk

Undervisningsspråk anges i kurstillfällesinformationen i kurs- och programkatalogen.

Lärandemål

The overall aim of the course is to give participants comprehensive knowledge on project management in different types of industrial operations. After passing the course successfully, the student shall be able to participate in industrial project work in their respective technological areas.

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

- Describe why and how Project Management can be used to enhance the competitiveness of modern industrial organizations
- Describe the structure of Project Management as a field of knowledge and explain basic concepts of the field
- Describe the main characteristics and differences of/between industrial delivery projects, product development projects and internal development projects.
- Formulate project goals that are realistic, solution-neutral and evaluable
- Use tools such as WBS/PBS, OBS, Gantt and PERT/CPM for detailed time planning of a project, and also be able to choose what tools that should/should not be used
- Describe basic stage-gate models such as PROPS or PPS
- Describe a theoretical risk management process and use simplified tools such as Minirisk
- Describe a project budgeting process and explain the use of Earned Value Management
- Explain the relation between projects and permanent organizations, and describe what different solutions that exist in order to alleviate the problems inherent in that relation
- Explain the relation between projects and their external environments and apply a stakeholder management process to a specific project
- Describe the main tasks and responsibilities of project managers
- Analyse a real life project by means of Project Management concepts and tools, and give recommendations on how to improve the management of that project

Kursinnehåll

The course is focused on planning and control activities in contract-based projects and change projects in several industrial areas. The established project management theory is compared to a number of cases. Starting by providing a basic understanding of the project management discipline and profession, the course goes on to topics such as project planning, project organising, management control and project leadership. A major term paper task will be carried out in the form of an empirical study of a real life project. Guest lecturers from industry will provide their views of practical project management.

Kurslitteratur

Maylor, H. (2005) /Project Management/, 3:e uppl. Harlow: Pearson Education Ltd.

Examination

- SEM1 - Seminarier, 3,0 hp, betygsskala: A, B, C, D, E, FX, F
- TEN1 - Tentamen, 3,0 hp, betygsskala: A, B, C, D, E, FX, F

Examinator beslutar, baserat på rekommendation från KTH:s handläggare av stöd till studenter med funktionsnedsättning, om eventuell anpassad examination för studenter med dokumenterad, varaktig funktionsnedsättning.

Examinator får medge annan examinationsform vid omexamination av enstaka studenter.

Övriga krav för slutbetyg

Written exam (TEN1, 3hp), participation in seminars, Group project report (SEM1; 3hp).

Etiskt förhållningssätt

- Vid grupparbete har alla i gruppen ansvar för gruppens arbete.
- Vid examination ska varje student ärligt redovisa hjälp som erhållits och källor som använts.
- Vid muntlig examination ska varje student kunna redogöra för hela uppgiften och hela lösningen.