ME1402 Project Management for Chemistry Engineering Students 6.0 credits

Projektledning för k

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

Establishment

Course syllabus for ME1402 valid from Autumn 2013

Grading scale

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

Education cycle

First cycle

Main field of study

Industrial Management

Specific prerequisites

Course KA1030

Language of instruction

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

Intended learning outcomes

To give the students basic knowledge about project management i different industrial operations. The goal is that the students are well prepared to be a part of industrial projects in their respective technology area after the course.

After the course the student shall know how to:

- Describe the basic concepts and models of project management
- Formulate project goals that are realistic and possible to evaluate
- Describe a typical project lifecycle and give the basic principles behind the most common project models
- Describe the usual methods for structuring and time planning a project and choose among these tools in a project situation
- Develop a project plan with the help of these methods
- Use tools for project risk management
- Describe the most common group dynamic models relevant for project work
- Describe the relation between project organizations and permanent organizations and describe what solutions there are for the built-in problems in this relationship
- Explain the relationship between projects and their external environment and apply a stakeholder analysis for a particular project
- Analyze practical problems with the help of the tools and concepts of project management and give recommendations for how management of a project can be improved
- Reflect on the group composition and groupdynamic aspects of team work.

Course contents

The course deals with the following subjects:

- Project process: a project goal and typical lifecycle
- The environment and stakeholders of a project
- Project planning
- Team and group dynamics
- Throughout the course different industrial projects from the chemical industry are presented

Course literature

Kursbok anslås vid kursstart

Därutöver ingår även material som delas ut under kursens gång. Allt utdelat material finns att hämta på INDEKs expedition efter aktuell föreläsning.

Course literature is assigned at course start.

A part from that there is material that is given out during the course. All material will be accessible at the INDEK expedition after each lecture.

Examination

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

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.