



**Karolinska  
Institutet**

Course syllabus for

# **Project management: Leadership and control, 6 credits**

Projekttledning: Ledning och styrning, 6 hp

This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.

Course code	4BP014
Course name	Project management: Leadership and control
Credits	6 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Bioentrepreneurship
Level	AV - Second cycle
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Learning, Informatics, Management and Ethics
Decided by	Programnämnd 7
Decision date	2010-05-21
Revised by	Education committee LIME
Last revision	2018-09-25
Course syllabus valid from	Autumn 2010

## **Specific entry requirements**

Bachelor's degree or vocational degree worth at least 180 credits in medicine, biomedicine, biotechnology, biology, chemistry, technology or equivalent. English language skills equivalent to English B at Swedish upper secondary school.

## **Objectives**

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

## Content

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 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

## Teaching methods

Teaching will be in the form of lectures and casestudies

## Examination

Written exam, seminars and a Group project report.

Compulsory attendance:

Participation in seminars is compulsory.

Limitation of number of occasions to write the exam:

A student who does not pass the examination on the first occasion is offered a maximum of five additional opportunities to sit the examination. If a student has not passed the examination after a total of four attempts then it is recommended that the student retake the whole course at the next opportunity. Following this the student is permitted to sit the examination on another two occasions. A student who fails the examination on six occasions is not permitted to sit the examination again or to retake the course.

Participation in an examination is defined as an occasion on which a student attends an examination, even if the student submits a blank examination paper. If a student has registered to sit an examination, but does not attend the examination, this is not defined as participation in the examination.

## Transitional provisions

The course has been cancelled HT18 and was offered for the last time in the autumn semester of 2014. Examination will be provided until the autumn semester of 2020 for students who have not completed the course.

## Other directives

The course language is English.

## Literature and other teaching aids

*Tonnquist, Bo*

**Project management : a guide to the theory and practice of project, program and portfolio management and business change**

1. ed. : Stockholm : Bonnier utbildning, 2008 - 401 s.

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