



COURSE SYLLABUS

Process- och projektstyrning Process and project management 7.5 credits (7,5 högskolepoäng)

Course code: IY1441

Main field of study: Industrial Economics and Management

Disciplinary domain: Technology

Education level: First cycle

Specialization: GIF - First cycle, has less than 60 credits in first cycle course/s as entry requirements

Subject area: Industrial Engineering and Management

Language of instruction: English

Applies from: 2021-01-18

Approved: 2020-10-01

1. Decision

This course is established by Dean 2020-05-06. The course syllabus is approved by Head of Department of Industrial Economics 2020-10-01 and applies from 2021-01-18.

2. Entry requirements

Completed courses of 30 credits in technology of which at least 6 credits in industrial economics and management

3. Objective and content

3.1 Objective

The course aims to develop the student's knowledge of industrial business processes as well as tools and methods to manage and control them. The course also aims to develop the student's understanding of and ability to lead and manage projects. A further purpose is to increase the student's understanding of how process and project management can be used to develop and improve businesses.

3.2 Content

Process and project management have become common tasks in large and small organizations, as well as a dominating work form in many industrial and technology-intensive organizations. The course is a summary of process and project management disciplines, with a special focus on management and working methods in business, development and innovation projects within technology-intensive companies. Combined with case studies, the course provides tools and methods for process and project management. A large attention is also paid on the role of project manager in technology-intensive sectors and research and development work.

4. Learning outcomes

The following learning outcomes are examined in the course:

4.1 Knowledge and understanding

On completion of the course, the student will be able to:

- Describe the general structure of the project management theory as both a practical and scientific emerging knowledge field.
- Understand the relation between projects and their external environment as well as carry out a stakeholder analysis for a specific project.

4.2 Competence and skills

On completion of the course, the student will be able to:

- Formulate project goals that are business-oriented, user-connected, realistic, solution neutral, and assessable.
- Analyse practical problems in industrial business context by means of project management tools and theoretical models.

4.3 Judgement and approach

On completion of the course, the student will be able to:

- Describe, choose and use tools for detailed time planning, work flows, project budgeting, as well as project monitoring in a project's execution.

- Use tools and models from the course to give recommendations on how the control of a project can be prepared, be carried out and be improved.

5. Learning activities

The course consists of lectures and group assignments.

6. Assessment and grading

Modes of examinations of the course

Code	Module	Credits	Grade
2105	Written report	1.5 credits	GU
2115	Project assignment	2 credits	GU
2125	Take-home exam	4 credits	AF

The course will be graded A Excellent, B Very good, C Good, D Satisfactory, E Sufficient, FX Fail, supplementation required, F Fail.

The course-PM for each course revision should include the assessment criteria and make explicit in which modes of examination that the learning outcomes are assessed.

An examiner can, after consulting the Disability Advisor at BTH, decide on a customized examination form for a student with a long-term disability to be provided with an examination equivalent to one given to a student who is not disabled.

7. Course evaluation

The course evaluation should be carried out in line with BTH:s course evaluation template and process.

8. Restrictions regarding degree

The course can form part of a degree but not together with another course the content of which completely or partly corresponds with the contents of this course.

9. Course literature and other materials of instruction

Tomas Jansson and Lennart Ljung (2017) Project Leadership for Individuals and Teams, ISBN: 9789144119557

A list of articles will be added as course compendium.