

COURSE SYLLABUS

Theoretical Perspectives on Organizing and Leading Industrial Work, 5 credits

Teoretiska perspektiv på organisering och ledning av industriellt arbete, 5 högskolepoäng

Course Code: FT3TPPO

Education Cycle: Third-cycle level

Confirmed: Apr 17, 2026

Research subject: Industrial Engineering and Management

Valid From: Jan 19, 2026

Intended Learning Outcomes (ILO)

On completion of the course, the student shall:

Knowledge and Understanding

- display knowledge of theories on organizing and leading industrial work within industrial engineering and management,
- demonstrate comprehension of the historical context and shift in different approaches in the development of the research area of organizing and leading industrial work within the field of industrial engineering and management, and
- demonstrate comprehension of different ontological starting points, contemporary frameworks, and emerging themes within the research area of organizing and leading industrial work within industrial engineering and management.

Skills and Abilities

- demonstrate the ability to explain an empirical phenomenon using suitable theoretical perspectives and methodological approaches in the area of organizing and leading industrial work within industrial engineering and management, and
- demonstrate skills of identifying relationships among research results in organizing and leading industrial work within industrial engineering and management, with results in other research fields.

Judgement and Approach

- demonstrate the ability to evaluate what implications the application of theories used in organizing and leading industrial work within industrial engineering and management have on research results, and
- demonstrate an understanding of sustainable, ethical, and social aspects associated with the research area of organizing and leading industrial work within industrial engineering and management.

Content

The course focuses on understanding the theoretical perspectives of organizing and leading industrial work within the field of industrial engineering and management. The course content includes the scientific study of the interaction between humans, technology and operations and its effects on efficiency and development of humans, operations and the work environment, especially with application in industrial product realization processes. Thereby, it addresses the following:

- Historical perspectives on industrial work,
- The relationship between tasks, actions, activities and processes in industrial work,
- Human factors - reactions, behaviour, motivation in industrial work,
- Conditions for industrial work
- Group dynamics in industrial work,
- Social technical systems in industrial work,
- Interaction processes in industrial work,

- Organizing and leading industrial work,
- Behavioural operations in industrial work,
- Knowledge and learning in industrial work, and
- Change and development in industrial work.

Type of Instruction

Lectures, seminars, and exercises.

Language of instruction is English.

Entry Requirements

Admitted to a third-cycle programme or equivalent.

Examination and Grades

The course is graded Pass (G) or Fail (U).

Registration of examination:

Name of the Test	Value	Grading
Seminars	3 credits	G/U
Assignments	2 credits	G/U

Other Information

The grade Pass requires active participation and oral presentations at seminars as well as completion of the assignments.

Course Literature

Please note that the course literature may be revised up to eight weeks before the start of the course.

The literature list for the course will be provided two months before the course starts.