



## COURSE SYLLABUS

# Industrial Placement in Production Engineering and Management, 7.5 credits

*Näringslivsförlagd kurs i Production Engineering and Management, 7,5 högskolepoäng*

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<b>Course Code:</b> TPES22	<b>Education Cycle:</b> Second-cycle level
<b>Confirmed by:</b> Dean Mar 1, 2022	<b>Disciplinary domain:</b> Technology
<b>Valid From:</b> Aug 1, 2022	<b>Subject group:</b> TE9
<b>Version:</b> 1	<b>Specialised in:</b> A1F
	<b>Main field of study:</b> Production Systems

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### Intended Learning Outcomes (ILO)

After a successful course, the student shall

Knowledge and understanding

- demonstrate knowledge of challenges that might occur in the field of production engineering and management

Skills and abilities

- demonstrate skills of scientific methods and approaches when planning and conducting project tasks or a study within predetermined time frames
- demonstrate the ability to apply knowledge related to production engineering and management to an industrial challenge
- demonstrate the ability to describe, analyse and reflect on the results of the industrial placement
- demonstrate the ability in speech and writing to present results and discuss conclusions in dialogue with different audiences

Judgement and approach

- demonstrate an understanding of problem solving in industrial context
- demonstrate an understanding of future professional role.

### Contents

This course includes participating in professional practice relevant to the field of production engineering and management. The students will have the opportunity to contribute knowledge and help develop companies' processes and work through carrying out of a project task. The course's purpose is to give the student experience from an industrial placement. The professional content in the course is based on the job requestors needs and the objective and adequateness of the Production Engineering and Management programme.

The course includes the following elements:

- Applying knowledge from previous courses
- Formulation of technical and scientific problems
- Planning of the work
- Identification of knowledge needed for solving the provided project task
- Collection, processing, and analysis of data
- Development of a solution for the provided project task
- Written scientific report
- Oral presentation, and opposition

### **Type of instruction**

Supervisions under the industrial placement.

The teaching is conducted in English.

### **Prerequisites**

Passed courses at least 90 credits within the major subject industrial engineering and management, mechanical engineering, civil engineering, computer engineering (or the equivalent), and 15 credits in mathematics. At least 30 credits in the master's programme should be approved (or the equivalent). Proof of English proficiency is required.

### **Examination and grades**

The course is graded 5,4,3 or Fail.

Registration of examination:

Name of the Test	Value	Grading
Project report and presentation	7.5 credits	5/4/3/U

### **Course literature**

Selected individually based on the placement task (if applicable). The selection will be based on a discussion between the students and the supervisors in relation to the selected placement task. The students will be the main responsible for the identification and the selection of relevant literature.