



## COURSE SYLLABUS

# Industrial Placement Course in Materials and Manufacturing, 7.5 credits

*Näringslivsförlagd kurs i Material och tillverkning, 7,5 högskolepoäng*

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<b>Course Code:</b> TNMS22	<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> MA2
<b>Version:</b> 1	<b>Specialised in:</b> A1F
	<b>Main field of study:</b> Product Development

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### Intended Learning Outcomes (ILO)

After a successful course, the student shall

Knowledge and understanding

- demonstrate comprehension of how the task is part of a product development process

Skills and abilities

- demonstrate skills of engineering methods and approaches when planning and conducting project tasks or a study within predetermined time frames
- demonstrate the ability to apply the knowledge acquired through their education in professional work
- demonstrate the ability to describe, analyze and reflect on the results of their work experience and to present them orally and in writing to the client and at the university

Judgement and approach

- demonstrate the ability, based on experience with clients, to reflect on their need for knowledge and skills in professional practice
- demonstrate an understanding of their future professional role and the responsibility for sustainability that comes with it

### Contents

This course includes participating in professional practice relevant to the field of materials and manufacturing.

Conditions for a professional approach in the exercise of their future profession.

- participating and contributing knowledge to an ongoing project in the field of research, product or process development

- participating in professional practice relevant to the main subject area

Written and oral reflection upon the experience of professional practice, and its documentation.

### Type of instruction

The teaching is conducted in English.

### **Prerequisites**

Passed courses at least 30 credits in the Master´s programme (or the equivalent). Proof of English proficiency is required.

### **Examination and grades**

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

The final grade will only be issued after satisfactory completion of all assessments.

Registration of examination:

<b>Name of the Test</b>	<b>Value</b>	<b>Grading</b>
Assignments	6 credits	U/G
Written and oral presentation	1.5 credits	U/G

### **Course literature**

The literature list for the course will be decided eight weeks before the course start.