



## COURSE SYLLABUS

# Product Realisation, 7.5 credits

*Product Realisation, 7,5 högskolepoäng*

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<b>Course Code:</b> HPCR20	<b>Education Cycle:</b> Second-cycle level
<b>Confirmed by:</b> Utbildningsrådet May 14, 2020	<b>Disciplinary domain:</b> Technology
<b>Valid From:</b> Aug 17, 2020	<b>Subject group:</b> TE9
<b>Version:</b> 1	<b>Specialised in:</b> A1N
<b>Reg number:</b> Department of Rehabilitation	<b>Main field of study:</b> Product Development

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### Intended Learning Outcomes (ILO)

Upon completion of the course the student should have the ability to:

#### Knowledge and understanding

- demonstrate understanding of the content, working methods and environment conditions related to the product realisation process
- demonstrate an understanding of benefits and challenges of working in a multicultural work environment.

#### Skills and abilities

- analyse different forms of leadership and group dynamics
- complete a project in collaboration with others and meet the pre-determined objectives of the project.

#### Judgement and approach

- reflect over results of the project in relation to its pre-determined objectives
- appreciate how different stages in the product realisation process contribute to the entire process
- recognise how personal and cultural differences contribute to the outcome of development work.

### Contents

- product realisation process -theoretical, organisational and scientific frameworks
- content, working methods and environment conditions of the stages in the product realisation process
- relevant product development, industrial design and information technology methods
- group dynamics, leadership and communication in the different stages of the product realisation process
- multicultural aspects of communication and work

### Type of instruction

The course is implemented through lectures, workshops, individual assignments and project

work in groups.

The teaching is conducted in English.

### **Prerequisites**

The applicant must hold the minimum of a Bachelor's degree or equivalent (i.e. the equivalent of 180 ECTS credits at an accredited university) in Prosthetics and Orthotics or Mechanical engineering. Proof of English proficiency is required.

### **Examination and grades**

The course is graded A, B, C, D, E, FX or F.

Examination of the course will be based upon one individual written exam and one group project.

A senior lecturer serves as examiner for the course.

In individual written examination Fx will not be applied.

Registration of examination:

<b>Name of the Test</b>	<b>Value</b>	<b>Grading</b>
Individual written exam	5 credits	A/B/C/D/E/FX/F
Project	2.5 credits	U/G

### **Course literature**

Jackson, B. & Parry, K. (2011). *A very short fairly interesting and reasonably cheap book about studying leadership*. London, UK: Sage.