



## COURSE SYLLABUS

# Product Development in Cross-discipline Teams – 1, 3 credits

*Produktutveckling i interdisciplinära team - 1, 3 högskolepoäng*

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<b>Course Code:</b> TP1S29	<b>Education Cycle:</b> Second-cycle level
<b>Confirmed by:</b> Dean Jun 1, 2019	<b>Disciplinary domain:</b> Technology
<b>Revised by:</b> Director of Education May 14, 2020	<b>Subject group:</b> DT1
<b>Valid From:</b> Aug 1, 2020	<b>Specialised in:</b> A1F
<b>Version:</b> 2	<b>Main field of study:</b> Informatics, Product Development

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### Intended Learning Outcomes (ILO)

After a successful course, the student shall:

Knowledge and understanding

- demonstrate comprehension of practical aspects of Agile software product development
- display knowledge of some existing tools for supporting continuous integration and testing

Skills and abilities

- demonstrate the ability to participate cross-discipline teams for software product development

Judgement and approach

- demonstrate the ability to select appropriate completion criteria for an evolving software product

### Contents

The course supports student teams in the specification and delivery of a software product. The requirement for the product may originate from an external company or organisation, from a need internal to the University, or from an original idea from the students. The software product will be developed through an Agile lifecycle, with clearly defined intermediate deliverable points.

### Type of instruction

The course will consist primarily of practical work, supported by review seminars and preparation of a written and oral final report.

Students will work in teams.

The teaching is conducted in English.

### Prerequisites

Passed courses at least 90 credits within the major subject Informatics or Product Development, and completed course Industrial Product Realization in Collaboration, 6 credits or equivalent.

Proof of English proficiency is required.

### **Examination and grades**

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

The final grade for the course is based on a balanced set of assessments. 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>
Report and presentation	3 credits	5/4/3/U

### **Course literature**

The literature list for the course will be provided one month before the course starts.

Handouts during the course