JÖNKÖPING UNIVERSITY
School of Engineering

COURSE SYLLABUS
Product Development in Cross-discipline Teams - 2, 6 credits

Produktutveckling i interdisciplinära team - 2, 6 högskolepoäng

Course Code:	TP2S20	**Education Cycle:**	Second-cycle level
Confirmed by:	Dean Dec 1, 2019	**Disciplinary domain:**	Technology
Valid From:	Jan 1, 2020	**Subject group:**	DT1
Version:	1	**Specialised in:**	A1F
		Main field of study:	Informatics, Product Development

Intended Learning Outcomes (ILO)

After a successful course, the student shall

Knowledge and understanding
- demonstrate comprehension of practical aspects of Agile software product development

Skills and abilities
- demonstrate the ability to deliver working code in an iterative and incremental fashion
- demonstrate the ability to maintain test suites as requirements and as quality control
- demonstrate the ability to deliver a working software prototype

Judgement and approach
- demonstrate an understanding of the role of defect and issue tracking in determining the readiness of a software product for release
- demonstrate the ability to identify, plan and implement enhancements to an existing software product
- demonstrate an understanding of the role of inspections and retrospectives in improving software product development

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 leading to project closure ready for hand-off to future development or maintenance.

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 Product Development in Cross-discipline Teams - 1, 3 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:

Name of the Test	Value	Grading
Project work	4 credits	5/4/3/U
Report and presentation	1 credit	5/4/3/U
Assignment	1 credit	5/4/3/U

Other information
The product development project will continue work on the project setup and code base delivered at the end of PDCT Part 1. For situations where this is not possible (for example, exchange students or where teams have had to be reformed), then alternative arrangements will be made.

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