

COURSE SYLLABUS

Agile och Lean utveckling av mjukvaruintensiva produkter

Agile and Lean Development of Software Intensive Products

7,5 ECTS credit points (7,5 högskolepoäng)

 a vards 7,5 ECTS credits. One credit point (högskolepoäng) corresponds to one credit point in the European Credit Transfer System (ECTS). 2 Decision and approval This course is established by Dean 2017-02-02. The course syllabus was revised by Head of Department of Software Engineering and applies from 2017-08-01. 8 able to plan and create a project using agile methods. 9 Do a critically review on an agile project and explain the differences between various solutions 9 Do a critically review on an agile project and explain the differences between various solutions 9 De a critically review on an agile project and explain the differences between various solutions 9 Be able to apply a value stream mapping on a process, taken from a selected activity. <i>Judgement and approach</i> 10 content 11 Content 12 Content 12 Content 13 Content 14 Content 14 Content 15 Aims and learning outcomes <i>Knowledge and understanding</i> 5 Aims and learning outcomes <i>Knowledge and understanding</i> 5 Aims and learning outcomes <i>Knowledge and understanding</i> 5 Aims and learning outcomes <i>Knowledge and understanding</i> 7 Assessment and grading 	Course code: PA2563 Educational level: Second cycle Course level: A1N Field of education: Technology Subject group: Computer Technology	Subject area: Software Engineering Version: 3 Applies from: 2017-08-01 Approved: 2017-04-24 Disused:			
Replaces: PA2541 3 Objectives3 Objectives The aim of the course is to provide students with thorough and substantial training in Agile and Lean software development in preparation for professional work to evaluate the potential of Agile and Lean, plan implementation of Agile and Lean and make practical use of Agile and Lean in the course consist of four modules:explain the differences between various agile/lean development of a business. 4 Content6 Learning and teaching The course consist of four modules: Goal definition, what the objectives of the course are and if any special area should be analysed Analyse and reflect on the agile principles Reflect and descibe the differences between various agile approches 6 Learning and teaching The course consists of a number of intensive teaching blocks of two weeks each. The teaching within each block is organised around research articles, book chapters, recorded video lectures ar one or more assignments. The assignments are designed to help students reflect on previous experiences, books and articles, and the relation between experiences and reading. Throughout th course, communication with teaching staff will ta place through email, discussion forums and, at specified weekly sessions through an online foru English 5 Aims and learning outcomes Knowledge and understanding On completion of the course, the students shall be able to 7 Assessment and grading	The course is titled Agile and Lean Development of Software Intensive Products/Agile och Lean utveckling av mjukvaruintensiva produkter and awards 7,5 ECTS credits. One credit point (högskolepoäng) corresponds to one credit point in the European Credit Transfer System (ECTS). 2 Decision and approval This course is established by Dean 2017-02-02. The course syllabus was revised by Head of Department of Software Engineering and applies from	 frameworks, their differences, similarities, advantages and disadvantages. Be able to build a value stream mapping based on a chosen process within an operation. <i>Competence and skills</i> On completion of the course, the students shall be able to In detail be able to apply an agile framework with those definitions that are used within the agile context. Be able to plan and create a project using agile 			
 3 Objectives The aim of the course is to provide students with thorough and substantial training in Agile and Lean software development in preparation for professional work to evaluate the potential of Agile and Lean and make practical use of Agile and Lean and make practical use of Agile and Lean in their organisations. 4 Content		 explain the differences between various solutions. Be able to apply a value stream mapping on a process, taken from a selected activity. <i>Judgement and approach</i> On completion of the course, the students shall be able to Provide a general explanation that justify 			
organisations.6 Learning and teaching4 ContentThe course consist of four modules:Goal definition, what the objectives of the course are and if any special area should be analysedwithin each block is organised around research articles, book chapters, recorded video lectures ar one or more assignments. The assignments are designed to help students reflect on previous experiences, books and articles, and the relation agile approches5 Aims and learning outcomes Knowledge and understanding On completion of the course, the students shall be able to6 Learning and teaching The course consists of a number of intensive teaching blocks of two weeks each. The teaching within each block is organised around research articles, book chapters, recorded video lectures ar one or more assignments. The assignments are designed to help students reflect on previous experiences, books and articles, and the relation between experiences and reading. Throughout th course, communication with teaching staff will ta place through email, discussion forums and, at specified weekly sessions through an online forum English7 Assessment and grading	The aim of the course is to provide students with thorough and substantial training in Agile and Lean software development in preparation for professional work to evaluate the potential of Agile and Lean, plan implementation of Agile and Lean				
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able to 7 Assessment and grading	Knowledge and understanding				
	able to • In general be able to describe basic concepts and	Examination of the course			
goals, common practices and tools as agile enablers and constraints.		Code Module Credit Grade			

1710 Written	report	[1]	1.5 ECTS	G-U
1720 Written	report	[2]	1.5 ECTS	G-U
1730 Written	report	[3]	4.5 ECTS	G-U

The course will be graded G Pass, UX Fail, supplementation required, U Fail.Submission of reports and assignments will be managed with a month as interval, exact date will be announced at the start of the course.

8 Course evaluation

The course coordinator is responsible for systematically gathering feedback from the students in course evaluations and making sure that the results of these feed back into the development of the course.

9 Prerequisites

At least 120 credits in a technical subject and a minimum of 2 years professional experience in software development (shown by, for example, a work certificate from an employer).

10 Field of education and subject area

The course is part of the field of education and is included in the subject area Software Engineering.

11 Restrictions regarding degree

The course cannot form part of a degree with another course, the content of which completely or partly corresponds with the contents of this course.

12 Course literature and other teaching material

Course literature , Agile and Lean Development of Software Intensive Products - material from the department about 500 pages.

Reference literature:

1.M. Cohn "Succeeding with Agile", Addison Wesley, 2010, ISBN-10: 0-321-57936-4, ISBN-13 987-0-321-57936-

2. J. Rasmusson "The Agile Samurai", Pragmatic Bookshelf, 2010. ISBN-10: 1934356581 | ISBN-13: 978-1934356586.