

Customised courses in software development

Agile and Lean Development of Software-intensive Products, 7.5 credits

- Pilot course
- 2,5 credits
- Oct – Dec 2014

The course gives an overall perspective of agile and lean development in a software-developing organisation. Agile methods in project organisations constitute only one step towards the realisation of an adaptable, quick and efficient product development organisation. By adapting lean principles (the origin of agile methods) in the entire product development chain, from product management and requirements engineering to delivery and support, true flexibility and efficiency can be achieved without sub-optimisation.



Course contents

1. Product Management and Requirements Engineering: deals with product planning, requirements gathering and specification, prioritisation and value-based trade-off.
2. Project-centred Agility: survey of the established agile methods, but also elimination of wastefulness and evaluation to be able to adapt the level of agility relevant to an organisation, and also what techniques are suitable in a certain context.
3. Customer Commissioning and Configuration Management: includes delivery and realisation at the customer's (known as commissioning) along with maintenance, as well as aspects of dealing with existing systems (known as legacy) when calculating internal and external efficiency.

Course is offered by: Blekinge Institute of Technology

Who should attend this course?

Everyone who works with the development of software-intensive products needs to maximise value creation and minimise waste. Used correctly, agile and lean is a tool for

achieving this. Thus the course is directed towards everyone from pure developers to project managers.

Contact us for more information about this course

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Course development team

The course has been developed by Blekinge Institute of Technology, SICS and CGI, Telenor, Qtema, Tolpagorni, Volvo CE and Ericsson. In consultation with these companies the course is developed by two SCRUM masters, an expert in agile and architecture, and an expert in agile and verification and validation. Together these persons have many years' experience of research projects with companies such as ABB, Volvo, Telenor, and Daimler in how to develop and improve agile and lean processes, models, methods and frameworks.

The development team consists of:



Prof. Tony Gorschek



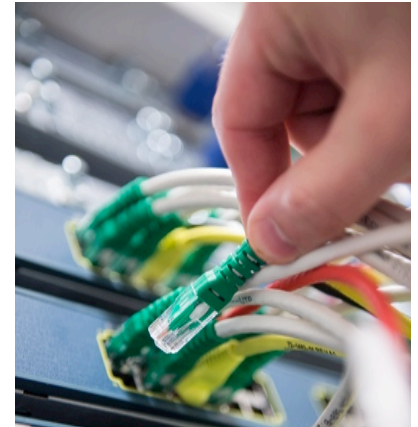
Dr. Mikael Svahnberg



Dr. Simon Poulding



Torbjörn Fridensköld



Register for the course

Read more about the course on www.promptedu.se

Register by the latest October 15 at www.antagning.se

PROMPT

Software is a business-critical resource for large parts of Swedish private enterprise and an important source of innovation and competitiveness. In cooperation with academia and industry we are establishing a national education alternative with the aim of guaranteeing the supply of software-related advanced skills and innovative power for Swedish private enterprise. The courses are given in cooperation with the Blekinge Institute of Technology, Chalmers, the University of Gothenburg, Mälardalen University and SICS.

The courses, all on master's level, have been developed to suit those gainfully employed and who need to be able to combine work and studies. The courses have been produced in cooperation with the companies who need your skills, and teaching has been adapted for those who are gainfully employed. The courses combine conventional studies with distance, web-based learning and teaching at the participating companies. The courses are given within the framework of the PROMPT project (Professional Master's Education in Software Development). PROMPT is a cooperation project between academia and industry with the aim of strengthening competitiveness in Swedish companies.

PROMPT's curriculum is organised into four subject-related areas, and also a special area with project courses.

- Process and Methods for Developing Software-intensive Systems
- Software Architecture and Design • Verification and Validation
- Reliable Software • Project Courses

The PROMPT project is financed by the Knowledge Foundation's programme "Expertkompetens för innovation" (Expert Skills for Innovation). Its aim is that cooperation between academia and industry will establish a national educational alternative with the aim of guaranteeing the supply of software-related advanced skills and innovative power for Swedish private enterprise.

