

Customised courses in software development

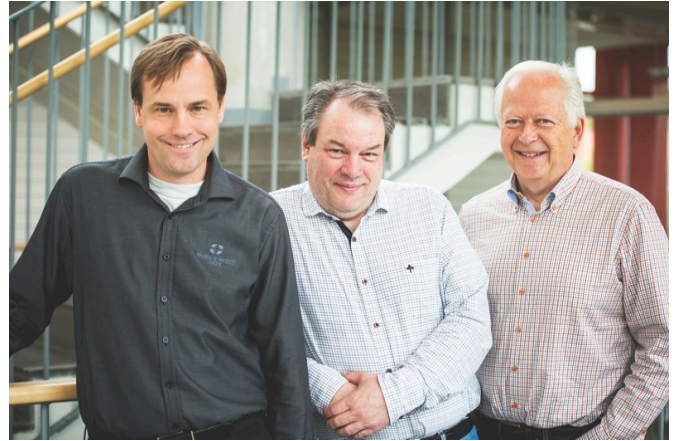
Project course in software development for industry, 7.5 credits

- Pilot course
- 2,5 credits
- Nov 2014 – Mar 2015

As a pilot for the custom-designed project course a student follows the pilot course in any of the three areas in Prompt, such as *Software Testing*. Next, the participant starts his or her project by conducting a feasibility study and developing a project plan, based on his or her company's situation or specific case. We see two possible tracks for the feasibility study and project plan:

- Planning for an in-depth study and/or application in the specific field
- Some work around an actual or planned change. Studies include the planning, implementation and monitoring of this change (e.g., a process improvement, introduction of new knowledge, methods or tools, etc).

In a dialogue with the course managers, participants custom-design a project based on the overall goals and objectives of the project course. Participants follow the selected track's pilot course as a first phase of the course, and then conduct a feasibility study and develop a project plan for the selected track as above. The actual work in the pilot projects, is carried out in collaboration with a coach or mentor. Both, physical meetings as well as virtual meetings are possible in this phase.



The course starts in November 2014 and continues until March 2015. A possible continuation is then done in consultation with the course responsible.

Registration can be made continuously to any of the contacts below.

Course is offered by: Mälardalen University and Blekinge Institute of Technology

Who should attend this course?

This course is for people working in the development of complex technical systems where software plays a key role.

Contact us for more information about this course

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Course development team

The course is developed in collaboration between Mälardalen University and Blekinge Institute of Technology, with support from the SICS and the companies ABB, Ericsson, Volvo CE and companies in the Swedish Federation Electronics.

The development team consists of:



Anders Martinsen, MSc, is process manager with focus on collaboration and works with development projects in small and medium enterprises (SME) in Sweden.



Stefan Löfgren, lecturer at Mälardalen University since 2001 with main focus on computer networks.



Jürgen Börstler, professor of Computer Engineering with main interests in object-oriented software development, requirements management, software processes and process improvement, and software engineering education. He has a long experience in collaboration between industry and university.



Thomas Larsson, PhD, is a researcher and teacher in Computer Science at Mälardalen University. His research focuses mainly on computer graphics, interactive systems and parallel data structures.

Register for the course

Admissions are made locally at each university and in consultation with the designated contact.

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.

