Course description

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**DevOps Basics
5 ECTS
Grading: pass/fail**

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This course is an introduction to distributed software development with Agile and DevOps. Students get to know the different phases of Agile distributed software development and how the development (Dev) and operations (Ops) can be combined. Student will be able to use the required software and tools that are typically used in distributed Agile software projects and software development automation.

This course is implemented in a practical way using tools like Slack, git, Docker and Gitlab. Student will also learn the basics of YAML as it is the language used in Gitlab pipelines.

The course covers the following topics:
· Agile software development methods and tools
· Distributed software development
· Software development process automation
· Requirement management
· Version control
· Docker, CI/CD pipelines and YAML