



# DD2482 Automated Software Testing and DevOps 7.5 credits

Automatiserad programtestning och DevOps

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

## Establishment

Course syllabus for DD2482 valid from Spring 2019

## Grading scale

A, B, C, D, E, FX, F

## Education cycle

Second cycle

## Main field of study

Computer Science and Engineering

## Specific prerequisites

Object-Oriented Programming and Algorithms and Data Structures equivalent to one of the courses DD1320, DD1321, DD1325, DD1327, DD1338, DD1339, DD1340, DD1341, DD1346 or ID1020.

## Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

## Intended learning outcomes

After a passed course, the student should be able to

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in order to

- be able to design, implement and maintain
- in the working life be able to work with DevOps.

## Course contents

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## Course literature

- Foundations of Software Testing (ISTQB certification)
- Pragmatic Unit Testing in Java with Java 9
- Effective DevOps: Building a Culture of Collaboration, Affinity, and Tooling at Scale

## Examination

- ÖVN1 - Exercise, 7.5 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Project-based examination: 3 graded projects.

In this course, the code of honor of the school is applied, see: <http://www.kth.se/en/csc/utbildning/hederskodex>

The examiner will decide on possible adapted examination for students with documented, permanent disabilities. The examiner may admit other examination format for re-examination of individual students.

## Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.