

### MASTER OF SCIENCE IN ENGINEERING





# DEVOPS TESTING FOR JAVA AND CYBER-PHYSICAL SYSTEMS

3 ECTS

Fall Semester 2023

New EVA Module!

For MSE students!

## **ABSTRACT**

Software testing is a substantial part in the lifecycle of a software system.

Typical studies show that more than 2/3 of the efforts are invested into modifications after delivery to correct faults,

to improve performance, or to adapt to various other requirements such as platform or business changes.



It seems obvious, therefore, that we need effective techniques and tools to support these activities to save costs and personnel resources development and testing.



In this module, students will learn the foundations of software testing, in the context of objectoriented systems (Java systems) and Cyberphysical Systems. We will also discuss analysis platforms and simulation tools (e.g., PX4, BeamNG, Carla, SDC-scissor, etc.), test case generation and continuous delivery technologies in the context of Java and autonomous systems (e.g., drones and self-driving cars).

# **SIGN-UP**

# JUST CONTACT **US BY EMAIL**

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