

Course Description – Winter Semester 2025/2026

Title	DevOps (Code: DevOps)
Faculty	Computer Science
Professor	Prof. Dr. Kurt Englmeier
ECTS	5
Level	Bachelor, Master
Requirements	-
Add. Information	-
Content	<p>This digital course introduces students to DevOps principles, focusing on improving collaboration between software development and operations, and integrating agile methods across the entire software delivery process. Students explore the full DevOps toolchain, including coding, continuous integration, testing, packaging, release automation, infrastructure configuration, and performance monitoring. Practical tools and processes are presented for each stage, enabling students to understand how to manage and optimize modern software delivery pipelines effectively. The course emphasizes real-world application and prepares students for the role of a DevOps engineer. Interactive quizzes help to assess learning progress.</p>