

Course Description – Summer 2025

Blockchain Applications

Title	Blockchain Applications
Faculty	Computer Science
Professor	Prof. Dr. Kurt Englmeier
ECTS	5
Level	Bachelor
Requirements	
Add. Information	This course is available as digital course (for download), beside lecture material and quizzes.
Content	<p>The aim of the course is to enable participants to understand the fundamentals of blockchain, to assess the potential impacts, and to understand the benefits of certain blockchain applications for different business fields.</p> <p>The course covers blockchain comprehensively and explains the technical basics as well as the impact of blockchain technology on new and existing business models. Conceptual understanding of the building blocks and features of blockchain helps to understand the architecture, functions and features of blockchain applications. The course introduces demonstrators and use cases for blockchain applications.</p> <p>Cryptography and security algorithms are important elements of the blockchain. However, in terms of the design and development of blockchain applications, they are "built-in" components. The course stands for an application-oriented approach to blockchain and only marginally deals with cryptography and security algorithms.</p>