Course Description – Winter 2024/25

Title	Distributed Systems (DS)
Faculty	Computer Science
Professor	Prof. Dr. Erwin Neuhardt
ECTS	5
Level	Master, Bachelor (with prerequisites)
Requirements	Solid programming skills in Java (5 ECTS) and knowledge of foundations in software engineering (5 ECTS)
Add. Information	
Content	Distributed Systems are ubiquitous in today's computer science. In enterprise-IT, in manufacturing as well as in all other domains of information technology distributed systems the challenge consists in processing complex tasks with multiple computers that communicate with each other. The foundations and criteria for design and development of complex systems are treated in the lecture. Important programming technologies (Threads and Concurrency, Sockets, Remote Method Invocation, Java Message Service, REST) are presented with practical exercises.