Course Description – Winter 2020/2021

Title  Distributed Systems
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)
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 which communicates 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, Enterprise Java Beans, Java Message Service) are presented with practical exercises