

Course Description – Winter 2021/22

Title	Automation Control
Faculty	Electrical Engineering
Professor	Prof. Dr. Silvio Bachmann
ECTS	5
Level	Master
Requirements	- completed bachelor's degree - basic knowledge in system control
Add. Information	Lecture Include discussion, examples, exercises Students understand structure and functionality of flexible automation systems. You learn design methods for such technical systems and solutions and could practice it in development process. Lesson is divided in Technical information 40 % Method knowledge 50 % System competence 10 %
Content	<ol style="list-style-type: none"> 1 Introduction 2 Project management 3 Methods in development processes 4 Process analyzing 5 Sensors and actors 6 Automation devices 7 Software Development 8 Communication in Automation 9 SCADA 10 Decentral structures 11 Integration of robots