

Course Description – Summer 2020

Title	Systemtheory
Faculty	Electrical Engineering
Professor	Prof. Dr. Silvio Bachmann
ECTS	5
Level	Master
Requirements	Basic knowledge in system control
Add. Information	Lecture: 3 SWS, Exercise: 1 SWS
	Students understand basic concepts and methods of Systemtheory. You learn analyzing and describing methods for systems including processes and signals.
	Lesson is divided in Technical information 40 % Method knowledge 50 % System competence 10 %
Content	Parts 1 Introduction 2 Applicability 3 Signals and Definition 4 Signal Analyzing and Modeling 5 Process Description 6 Process Models 7 Process Analyzing 8 Applications