Course of Study Electrical Engineering (Study Cohort w14)

Sample course plan E Master Electrical Engineering (ETMS)
Specialisation Control and Power Systems

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	**Digital Communications**			**Technical Complementary Course I**			**Technical Complementary Course II**			**Master Thesis**		
2	Digital Communications	VL	2									
3	Digital Communications	HÜ	1									
4	Laboratory Digital Communications	PR	1									
5												
6												
7	**Microwave Engineering**			**Numerical Treatment of Ordinary Differential Equations**			**Electrical Energy Technology**					
8	Microwave Engineering	VL	2	Numerical Treatment of Ordinary Partial Differential Equations	VL	2	Basics of the Electrical Energy Technology	VL	2			
9	Microwave Engineering	HÜ	2	Numerical Treatment of Ordinary Partial Differential Equations	UE	2	Grid Integration and Electrical Energy Storage	VL	2			
10	Microwave Engineering	PR	1				Electrical Energy Transmission and Distribution	VL	2			
11												
12												
13	**Microsystem Engineering**			**Humanoid Robotic**			**Industrial Process Automation**					
14	Microsystem Engineering	VL	2	Humanoid Robotics	SE	2	Industrial Process Automation	VL	2			
15	Microsystem Engineering	UE	1	**Optimal and Robust Control**			Industrial Process Automation	UE	2			
16	Microsystem Engineering	POL	1	Optimal and Robust Control	VL	2						
17				Optimal and Robust Control	UE	1						
18												
19	**Control Systems Theory and Design**			**Process Measurement Engineering**			**Research Project in Control and Power Systems**					
20	Control Systems Theory and Design	VL	2	Process Measurement Engineering	VL	2	Research Project in Control and Power Systems	PK	5			
21	Control Systems Theory and Design	UE	2	Process Measurement Engineering	HÜ	1						
22												
23				**Control Lab**								
24				Control Lab I	PR	1						
				Control Lab II	PR	1						
25	**CMOS Nanoelectronics with Practice**											
26	CMOS Nanoelectronics	VL	2									
27	CMOS Nanoelectronics	UE	1									
28	CMOS Nanoelectronics	PR	2									
29												
30												
	Business & Management (from catalogue) - 6LP											
	Nontechnical Elective Complementary Courses for Master (from catalogue) - 6LP											

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.