Course of Study Electrical Engineering (Study Cohort w22)

Sample course plan A Master Electrical Engineering (ETMS)

Specialisation Microwave Engineering, Optics, and Electromagnetic Compatibility

LP										
1	**Digital Communications**			**Microwave Semiconductor Devices and Circuits I**			**Research Project and Seminar in Microwave Engineering, Optics and Electromagnetic Compatibility**			**Master Thesis**
2	Digital Communications	VL	2	Microwave Semiconductor Devices and Circuits I	VL	3				
3	Digital Communications	HÜ	2	Microwave Semiconductor Devices and Circuits I	HÜ	2				
4	Laboratory Digital Communications	PR	1							
5										
6										
7	**Microwave Engineering**			**EMC I: Coupling Mechanisms, Countermeasures and Test Procedures**						
8	Microwave Engineering	VL	2	EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures	VL	3				
9	Microwave Engineering	HÜ	2	EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures	GÜ	1				
10	Microwave Engineering	PR	1	EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures	PR	1				
11										
12										
13	**Microsystem Engineering**						**Bioelectromagnetics: Principles and Applications**			
14	Microsystem Engineering	VL	2				Bioelectromagnetics: Principles and Applications	VL	3	
15	Microsystem Engineering	PBL	2				Bioelectromagnetics: Principles and Applications	GÜ	2	
16										
17										
18										
19	**Control Systems Theory and Design**						**Microwave Semiconductor Devices and Circuits II**			
20	Control Systems Theory and Design	VL	2				Microwave Semiconductor Devices and Circuits II	VL	1	
21	Control Systems Theory and Design	GÜ	2				Microwave Semiconductor Devices and Circuits II	HÜ	1	
22							Microwave Circuit Design Laboratory	PR	4	
23										
24										
25	**Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids**									
26	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	VL	3							
27										
28	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	HÜ	2							
29										
30										

Legend

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

Business & Management (from catalogue) - 6LP

Non-technical Courses for Master (from catalogue) - 6LP

Technical Complementary Course for ETMS (according to Subject Specific Regulations) - 12LP

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