Course of Study Electrical Engineering (Study Cohort w22)

Sample course plan C Master Electrical Engineering (ETMS)

Specialisation Information and Communication Systems

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

LP			
1	**Digital Communications**	**Advanced Concepts of Wireless Communications**	**Research Project and Seminar in Information and Communication Systems**	**Master Thesis**
2	Digital Communications VL 2	Advanced Concepts of Wireless Communications VL 3		
3	Digital Communications HÜ 2	Advanced Concepts of Wireless Communications HÜ 2		
4	Laboratory Digital Communications PR 1			
5				
6				
7	**Microwave Engineering**	**Information Theory and Coding**		
8	Microwave Engineering VL 2	Information Theory and Coding VL 3		
9	Microwave Engineering HÜ 2	Information Theory and Coding HÜ 2		
10	Microwave Engineering PR 1			
11				
12				
13	**Microsystem Engineering**	**Simulation of Communication Networks**	**Traffic Engineering**	
14	Microsystem Engineering VL 2	Simulation of Communication Networks PBL 5	Traffic Engineering VL 2	
15	Microsystem Engineering PBL 2		Traffic Engineering Exercises GÜ 1	
16			Seminar Traffic Engineering SE 2	
17				
18				
19	**Control Systems Theory and Design**			
20	Control Systems Theory and Design VL 2			
21	Control Systems Theory and Design GÜ 2			
22				
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				

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.