Course of Study Electrical Engineering (Study Cohort w19)

Sample course plan D Master Electrical Engineering (ETMS)
Specialisation Nanoelectronics and Microsystems Technology

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**			**Microsystem Design**			**Research Project and Seminar in Nanoelectronics and Microsystems Technology**			**Master Thesis**		
2	Digital Communications	VL	2	Microsystem Design	VL	2						
3	Digital Communications	HÜ	1	Microsystem Design	PR	3						
4	Laboratory Digital Communications	PR	1									
5												
6												
7	**Microwave Engineering**			**Semiconductor Technology**								
8	Microwave Engineering	VL	2	Semiconductor Technology	VL	4						
9	Microwave Engineering	HÜ	2	Semiconductor Technology	PR	2						
10	Microwave Engineering	PR	1									
11												
12												
13	**Microsystem Engineering**			**Fundamentals of IC Design**			**Microsystems Technology in Theory and Practice**					
14	Microsystem Engineering	VL	2	Fundamentals of IC Design	VL	2	Microsystems Technology	VL	2			
15	Microsystem Engineering	PBL	2	Fundamentals of IC Design	PR	2	Microsystems Technology	PBL	2			
16												
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	2									
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.