Course of Study Electrical Engineering (Study Cohort w18)

Sample course plan F Master Electrical Engineering (ETMS)
Specialisation Modeling and Simulation

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	**Digital Communications**			**High-Performance Computing**			**Research Project in Modeling and Simulation**			**Master Thesis**		
2	Digital Communications	VL	2	Fundamentals of High-Performance Computing	VL	2						
3	Digital Communications	HÜ	1									
4	Laboratory Digital Communications	PR	1	Fundamentals of High-Performance Computing	PBL	2						
5												
6												
7	**Microwave Engineering**			**Approximation and Stability**			**Hierarchical Algorithms**					
8	Microwave Engineering	VL	2	Approximation and Stability	VL	3	Hierarchical Algorithms	VL	2			
9	Microwave Engineering	HÜ	2	Approximation and Stability	UE	1	Hierarchical Algorithms	UE	2			
10	Microwave Engineering	PR	1									
11												
12												
13	**Microsystem Engineering**			**Numerical Treatment of Ordinary Differential Equations**								
14	Microsystem Engineering	VL	2	Numerical Treatment of Ordinary Differential Equations	VL	2						
15	Microsystem Engineering	PBL	2									
16				Numerical Treatment of Ordinary Differential Equations	UE	2						
17												
18												
19	**Control Systems Theory and Design**			**Solvers for Sparse Linear Systems**								
20	Control Systems Theory and Design	VL	2	Solvers for Sparse Linear Systems	VL	2						
21	Control Systems Theory and Design	UE	2	Solvers for Sparse Linear Systems	UE	2						
22												
23												
24												
25	**Electrical Power Systems II**											
26	Electrical Power Systems II	VL	2									
27	Electrical Power Systems II	HÜ	2									
28												
29												
30												

Business & Management (from catalogue) - 6LP

Nontechnical Elective Complementary 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.