

# Course of Study Electrical Engineering (Study Cohort w19)

Sample course plan B Master Electrical Engineering (ETMS)

Specialisation Medical Technology		Semester 2		Semester 3		Semester 4		
	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk
1	<b>Digital Communications</b>		<b>Bioelectromagnetics: Principles and Applications</b>		<b>Research Project and Seminar in Medical Technology</b>		<b>Master Thesis</b>	
2	Digital Communications	VL	2	Bioelectromagnetics: Principles and Applications	VL	3		
3	Digital Communications	HÜ	1	Bioelectromagnetics: Principles and Applications	GÜ	2		
4	Laboratory Digital Communications	PR	1					
5								
6								
7	<b>Microwave Engineering</b>		<b>Robotics and Navigation in Medicine</b>					
8	Microwave Engineering	VL	2	Robotics and Navigation in Medicine	VL	2		
9	Microwave Engineering	HÜ	2	Robotics and Navigation in Medicine	GÜ	1		
10	Microwave Engineering	PR	1	Robotics and Navigation in Medicine	PS	2		
11								
12								
13	<b>Microsystem Engineering</b>				<b>Intelligent Systems in Medicine</b>			
14	Microsystem Engineering	VL	2		Intelligent Systems in Medicine	VL	2	
15	Microsystem Engineering	PBL	2		Intelligent Systems in Medicine	GÜ	1	
16					Intelligent Systems in Medicine	PS	2	
17								
18								
19	<b>Control Systems Theory and Design</b>				<b>Medical Imaging</b>			
20	Control Systems Theory and Design	VL	2		Medical Imaging	VL	2	
21	Control Systems Theory and Design	GÜ	2		Medical Imaging	GÜ	2	
22								
23								
24								
25	<b>Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids</b>							
26	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	VL	2					
27	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	HÜ	2					
28	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids							
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.

