

Course of Study Microelectronics and Microsystems (Study Cohort w19)

Sample course plan D Master Microelectronics and Microsystems (IMPMM)

		Core qualification Compulsory		Specialisation Compulsory		Focus Compulsory		Thesis Compulsory										
		Core qualification Elective Compulsory		Specialisation Elective Compulsory		Focus Elective Compulsory		Interdisciplinary complement										
Specialisation Embedded Systems		Form	Hrs/wk	Semester 2		Form	Hrs/wk	Semester 3		Form	Hrs/wk	Semester 4		Form	Hrs/wk			
1	Microsystem Engineering			Seminar Communications Engineering				Project Work IMPMM	Digital Circuit Design (part 2)			Master Thesis						
2	Microsystem Engineering	VL	2	Seminar Communications Engineering	SE	2					Advanced Digital Circuit Design		VL	2				
3	Microsystem Engineering	PBL	2															
4				Microsystem Design														
5				Microsystem Design	VL	2												
6				Microsystem Design	PR	3												
7	Microsystems Technology in Theory and Practice																	
8	Microsystems Technology	VL	2															
9	Microsystems Technology	PBL	2	Fundamentals of IC Design														
10				Fundamentals of IC Design	VL	2												
11				Fundamentals of IC Design	PR	2												
12																		
13	CMOS Nanoelectronics with Practice																	
14	CMOS Nanoelectronics	VL	2	Embedded Systems														
15	CMOS Nanoelectronics	GÜ	1	Embedded Systems	VL	3												
16	CMOS Nanoelectronics	PR	2	Embedded Systems	GÜ	1												
17																		
18																		
19	Electronic Devices and Circuits																	
20	Circuit Design	VL	2															
21	Electronic Devices	VL	2	Wireless Sensor Networks														
22				Wireless Sensor Networks	VL	2												
23				Wireless Sensor Networks	GÜ	1												
24				Wireless Sensor Networks: Project	PBL	2												
25																		
26	Computer Architecture																	
27	Computer Architecture	VL	2															
28	Computer Architecture	PBL	2															
29	Computer Architecture	GÜ	1															
30																		
31																		
32																		
33																		
Business & Management (from catalogue) - 6LP																		
Non-technical Courses for Master (from catalogue) - 6LP																		

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

