

Course of Study Microelectronics and Microsystems (Study Cohort w19)

Sample course plan C 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 Microelectronics Complements		Form	Hrs/wk	Semester 2		Form	Hrs/wk	Semester 3		Form	Hrs/wk	Semester 4		Form	Hrs/wk	
1	Microsystem Engineering			Microsystem Design				Project Work IMPMM	Master Thesis							
2	Microsystem Engineering	VL	2	Microsystem Design	VL	2										
3	Microsystem Engineering	PBL	2	Microsystem Design	PR	3										
4																
5																
6																
7	Microsystems Technology in Theory and Practice			Fundamentals of IC Design												
8	Microsystems Technology	VL	2	Fundamentals of IC Design	VL	2										
9	Microsystems Technology	PBL	2	Fundamentals of IC Design	PR	2										
10																
11																
12																
13	CMOS Nanoelectronics with Practice			Laboratory: Analog and Digital Circuit Design (part 1)												
14	CMOS Nanoelectronics	VL	2	Laboratory: Digital Circuit Design	PR	2										
15	CMOS Nanoelectronics	GÜ	1													
16	CMOS Nanoelectronics	PR	2													
17				Semiconductor Seminar												
18				Semiconductor Seminar	SE	2		Laboratory: Analog and Digital Circuit Design (part 2)								
19	Electronic Devices and Circuits			Optoelectronics I - Wave Optics				Laboratory: Analog Circuit Design		PR	2					
20	Circuit Design	VL	2	Optoelectronics I: Wave Optics	VL	2										
21	Electronic Devices	VL	2	Optoelectronics I: Wave Optics	GÜ	1										
22				Fibre and Integrated Optics												
23				Fibre and Integrated Optics	VL	2										
24				Fibre and Integrated Optics	GÜ	1										
25																
26				Semiconductor Technology												
27				Semiconductor Technology	VL	4										
28				Semiconductor Technology	PR	2										
29																
30																
31																
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.

