Course of Study Microelectronics and Microsystems (Study Cohort w19)

Sample course plan Y Master Microelectronics and Microsystems (IMPMM)
Specialisation Microelectronics Complements

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	**Microsystem Engineering**			**Microsystem Design**			**Project Work IMPMM**			**Digital Circuit Design (part 2)**		
2	Microsystem Engineering	VL	2	Microsystem Design	VL	2				Advanced Digital Circuit Design	VL	2
3	Microsystem Engineering	PBL	2	Microsystem Design	PR	3						
4										**Master Thesis**		
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	**Semiconductor Seminar**								
17				Semiconductor Seminar	SE	2						
18				**Semiconductor Technology**			**Laboratory: Analog and Digital Circuit Design (part 2)**					
19	**Electronic Devices and Circuits**			Semiconductor Technology	VL	4	Laboratory: Analog Circuit Design	PR	2			
20	Circuit Design	VL	2	Semiconductor Technology	PR	2						
21	Electronic Devices	VL	2				**Digital Circuit Design (part 1)**					
22							Digital Circuit Design	VL	2			
23												
24												
25	**Electronic Circuits for Medical Applications**											
26	Electronic Circuits for Medical Applications	VL	2									
27	Electronic Circuits for Medical Applications	GÜ	1									
28	Electronic Circuits for Medical Applications	PR	1									
29												
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.