Course of Study Microelectronics and Microsystems (Study Cohort w14)

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

Legend:

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**			**Design of Highly Complex Integrated Systems and CAD Tools (part 2)**		
2	Microsystem Engineering	VL	2	Microsystem Design	VL	2	Project Work IMPMM	PS	1	Design of Highly Complex Integrated Systems	VL	2
3	Microsystem Engineering	UE	1	Microsystem Design	PR	3						
4	Microsystem Engineering	POL	1							**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	POL	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	UE	1									
16	CMOS Nanoelectronics	PR	2	**Semiconductor Seminar**								
17				Semiconductor Seminar	SE	2	**Laboratory: Analog and Digital Circuit Design (part 2)**					
18							Laboratory: Analog Circuit Design	PR	2			
19	**Electronic Devices and Circuits**						**Digital Signal Processing and Digital Filters**					
20	Circuit Design	VL	2				Digital Signal Processing and Digital Filters	VL	3			
21	Electronic Devices	VL	2				Digital Signal Processing and Digital Filters	HÜ	1			
22												
23												
24												
25	**Electronic Circuits for Medical Applications**						**Design of Highly Complex Integrated Systems and CAD Tools (part 1)**					
26	Electronic Circuits for Medical Applications	VL	2				CAD Tools	VL	2			
27	Electronic Circuits for Medical Applications	UE	1									
28	Electronic Circuits for Medical Applications	PR	1									
29												
30												
31												
32												
33												
	Business & Management (from catalogue) - 6LP											

Nontechnical Elective Complementary 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.