

Course of Study Microelectronics and Microsystems (Study Cohort w18)

Sample course plan Y Master Microelectronics and Microsystems (IMPMM)

Specialisation Microelectronics Complements				Semester 2				Semester 3				Semester 4				
		Form	Hrs/wk		Form	Hrs/wk		Form	Hrs/wk		Form	Hrs/wk		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					Design of Highly Complex Integrated Systems				VL	2
3	Microsystem Engineering	PBL	2	Microsystem Design	PR	3					Master Thesis					
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										
19	Electronic Devices and Circuits			Semiconductor Technology												
20	Circuit Design	VL	2	Semiconductor Technology	VL	4										
21	Electronic Devices	VL	2	Semiconductor Technology	PR	2										
22																
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																
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.

