

Course of Study Microelectronics and Microsystems (Study Cohort w16)

Sample course plan C Master Microelectronics and Microsystems (IMPMM)
Specialisation Communication and Signal Processing

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective	Specialisation Elective	Focus Elective Compulsory	Interdisciplinary complement
Compulsory	Compulsory		

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			Master Thesis		
2	Microsystem Engineering	VL	2	Microsystem Design	VL	2						
3	Microsystem Engineering	UE	1	Microsystem Design	PR	3						
4	Microsystem Engineering	POL	1									
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									
17												
18							Seminar Communications Engineering					
19	Electronic Devices and Circuits						Seminar Communications Engineering	SE	2			
20	Circuit Design	VL	2				Laboratory: Analog and Digital Circuit Design (part 2)					
21	Electronic Devices	VL	2				Laboratory: Analog Circuit Design	PR	2			
22												
23							Digital Image Analysis					
24							Digital Image Analysis	VL	4			
25	Communication Networks I - Analysis and Structure											
26	Analysis and Structure of Communication Networks	VL	2									
27	Communication Networks Exercise	POL	1									
28	Selected Topics of Communication Networks	POL	2				3D Computer Vision					
29							3D Computer Vision	VL	2			
30							3D Computer Vision	UE	2			
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.