

# Course of Study Microelectronics and Microsystems (Study Cohort w21)

Sample course plan M 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 Embedded Systems		Form	Hrs/wk	Semester 2		Form	Hrs/wk	Semester 3		Form	Hrs/wk	Semester 4		Form	Hrs/wk	
1	<b>Microsystem Engineering</b>			<b>Microsystem Design</b>				<b>Project Work IMPMM</b>	<b>Master Thesis</b>							
2	Microsystem Engineering	VL	2	Microsystem Design	VL	2										
3	Microsystem Engineering	PBL	2	Microsystem Design	PR	3										
4																
5																
6																
7	<b>Microsystems Technology in Theory and Practice</b>			<b>Semiconductor Technology</b>												
8	Microsystems Technology	VL	2	Semiconductor Technology	VL	4										
9	Microsystems Technology	PBL	2	Semiconductor Technology	PR	2										
10																
11																
12																
13	<b>Integrated Circuit Design</b>			<b>Advanced IC Design</b>												
14	Integrated Circuit Design	VL	3	Advanced IC Design	VL	2										
15	Integrated Circuit Design	GÜ	1	Advanced IC Design	PBL	2										
16																
17																
18								<b>Seminar for IMPMM</b>								
19				<b>Software for Embedded Systems</b>				Seminar for IMPMM		SE	2					
20				Software for Embedded Systems	VL	2		Advanced System-on-Chip Design (Lab)								
21				Software for Embedded Systems	GÜ	3		Advanced System-on-Chip Design		PBL	3					
22																
23																
24																
25				<b>Design of Dependable Systems</b>												
26				Designing Dependable Systems	VL	2										
27				Designing Dependable Systems	GÜ	2										
28																
29																
30																
Business & Management (from catalogue) - 6LP																
Non-technical Courses for Master (from catalogue) - 6LP																
Technical Elective Complementary Course for IMPMM - field ET (according to Subject Specific Regulations) - 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.

