

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

Sample course plan O 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 Microelectronics Complements		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>Silicon Photonics</b>			<b>Optoelectronics I - Wave Optics</b>			Seminar for IMPMM	SE		2					
20	Silicon Photonics	VL	2	Optoelectronics I: Wave Optics	VL	2	<b>Optoelectronics II - Quantum Optics</b>								
21	Silicon Photonics	PBL	2	Optoelectronics I: Wave Optics	GÜ	1	Optoelectronics II: Quantum Optics	VL		2					
22							Optoelectronics II: Quantum Optics	GÜ		1					
23				<b>Fibre and Integrated Optics</b>											
24				Fibre and Integrated Optics	VL	2									
25				Fibre and Integrated Optics	GÜ	1									
26															
27															
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.

