Course of Study Microelectronics and Microsystems (Study Cohort w17)

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

Legend:

Core qualification Compulsory

Core qualification Elective
Compulsory

Specialisation Compulsory

Focus Compulsory

Focus Compulsory

Thesis Compulsory

Interdisciplinary complement
Compulsory

						Compulsory				
LP	Semester 1	Form	Hrs/w	kSemester 2	Form Hrs/w	kSemester 3	Form Hrs/w	Semester 4	Form Hr	s/wk
1 2 3	Microsystem Engineering Microsystem Engineering Microsystem Engineering	VL UE	2	Microsystem Design Microsystem Design Microsystem Design	VL 2 PR 3	Project Work IMPMM		Design of Highly Complex Integrated Sys CAD Tools (part 2) Design of Highly Complex Integrated Systems	vL 2	
4 5 6	Microsystem Engineering	PBL	1					Master Thesis		
7 8 9	Microsystems Technology in Theory and Microsystems Technology Microsystems Technology	Practic VL PBL	2	Fundamentals of IC Design Fundamentals of IC Design Fundamentals of IC Design	VL 2 PR 2					
11 12										
13 14 15	CMOS Nanoelectronics with Practice CMOS Nanoelectronics CMOS Nanoelectronics CMOS Nanoelectronics		2 1 2	Laboratory: Analog and Digital Circuit De 1) Laboratory: Digital Circuit Design	esign (part					
17 18			_	Semiconductor Seminar Semiconductor Seminar	SE 2	Laboratory: Analog and Digital Circuit De 2)				
19 20 21 22 23 24	Electronic Devices and Circuits Circuit Design Electronic Devices	VL VL	2			Laboratory: Analog Circuit Design Digital Signal Processing and Digital Filter Digital Signal Processing and Digital Filters Digital Signal Processing and Digital Filters	PR 2 ers VL 3 HÜ 1			
25 26 27 28 29 30	Electronic Circuits for Medical Application Electronic Circuits for Medical Applications Electronic Circuits for Medical Applications Electronic Circuits for Medical Applications	VL	1			Design of Highly Complex Integrated System CAD Tools (part 1) CAD Tools	tems and			
31 32 33										
	Business & Management (from catalogue) - 61	_P								

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

Nontechnical Elective Complementary Courses for Master (from catalogue) - 6LP