Course of Study Microelectronics and Microsystems (Study Cohort w18)

Sample course plan D Master Microelectronics and Microsystems (IMPMM)
Specialisation Embedded Systems

Legend:

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

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	**Microsystem Engineering**			**Seminar Communications Engineering**			**Project Work IMPMM**			**Master Thesis**		
2	Microsystem Engineering	VL	2	Seminar Communications Engineering	SE	2						
3	Microsystem Engineering	PBL	2	**Microsystem Design**								
4				Microsystem Design	VL	2						
5				Microsystem Design	PR	3						
6												
7	**Microsystems Technology in Theory and Practice**											
8	Microsystems Technology	VL	2									
9	Microsystems Technology	PBL	2	**Fundamentals of IC Design**								
10				Fundamentals of IC Design	VL	2						
11				Fundamentals of IC Design	PR	2						
12												
13	**CMOS Nanoelectronics with Practice**											
14	CMOS Nanoelectronics	VL	2									
15	CMOS Nanoelectronics	UE	1	**Embedded Systems**								
16	CMOS Nanoelectronics	PR	2	Embedded Systems	VL	3						
17				Embedded Systems	UE	1						
18												
19	**Electronic Devices and Circuits**											
20	Circuit Design	VL	2									
21	Electronic Devices	VL	2	**Wireless Sensor Networks**								
22				Wireless Sensor Networks	VL	2						
23				Wireless Sensor Networks	UE	1						
24				Wireless Sensor Networks: Project	PBL	2						
25	**Computer Architecture**											
26	Computer Architecture	VL	2									
27	Computer Architecture	PBL	2									
28	Computer Architecture	UE	1									
29												
30												

Business & Management (from catalogue) - 6LP

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

Technical Elective Complementary Course for IMPMM - field TUHH (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.