Course of Study Computational Science and Engineering (Study Cohort w20)

Sample course plan A Master Computational Science and Engineering (IIWMS)
Specialisation I. Computer Science, Specialisation II. Engineering Science, Specialisation III. Mathematics, Specialisation IV. Subject Specific Focus

Legend:

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

LP								
1	**Software Verification**			**Algorithmic Game Theory**			**Research Project**			**Master Thesis**
2	Software Verification	VL	2	Algorithmic game theory	VL	2	Research Project IIW	PK	8	
3	Software Verification	GÜ	2	Algorithmic game theory	HÜ	2				
4										
5										
6										
7	**Mathematical Image Processing**			**Information Theory and Coding**						
8	Mathematical Image Processing	VL	3	Information Theory and Coding	VL	3				
9	Mathematical Image Processing	GÜ	1	Information Theory and Coding	HÜ	2				
10										
11										
12										
13							**Distributed Algorithms**			
14							Distributed Algorithms	VL	2	
15							Distributed Algorithms	HÜ	2	
16										
17										
18										
19							**Control Systems Theory and Design**			
20							Control Systems Theory and Design	VL	2	
21							Control Systems Theory and Design	GÜ	2	
22										
23										
24										
25							**Mathematics of Neural Networks**			
26							Mathematics of Neural Networks	VL	2	
27							Mathematics of Neural Networks	GÜ	2	
28										
29										
30										

Business & Management (from catalogue) - 6LP
Non-technical Courses for Master (from catalogue) - 6LP
Technical Complementary Course II for Computational Science and Engineering - 12LP
Technical Complementary Course I for Computational Science and Engineering - 12LP

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