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	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
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.