Course of Study Computational Science and Engineering (Study Cohort w21)

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

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	**Software Verification**			**Intelligent Systems Lab**			**Research Project**			**Master Thesis**		
2	Software Verification	VL	2	Intelligent Systems Lab	PBL	6	Research Project IIW	PK	8			
3	Software Verification	GÜ	2									
4												
5												
6												
7	**Software Security**											
8	Software Security	VL	2									
9	Software Security	GÜ	2									
10												
11												
12												
13	**Mathematical Image Processing**						**Distributed Algorithms**					
14	Mathematical Image Processing	VL	3				Distributed Algorithms	VL	2			
15	Mathematical Image Processing	GÜ	1				Distributed Algorithms	HÜ	2			
16												
17												
18												
19							**Digital Signal Processing and Digital Filters**					
20							Digital Signal Processing and Digital Filters	VL	3			
21							Digital Signal Processing and Digital Filters	HÜ	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.