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

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

LP											Master Thesis
1	**Software Security**			**Design of Dependable Systems**			**Research Project**				
2	Software Security		VL	2	Designing Dependable Systems		VL	2	Research Project IIW		PK	8
3	Software Security		GÜ	2	Designing Dependable Systems		GÜ	2			
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7	**Digital Communications**			**Information Theory and Coding**							
8	Digital Communications		VL	2	Information Theory and Coding		VL	3			
9	Digital Communications		HÜ	2	Information Theory and Coding		HÜ	2			
10	Laboratory Digital Communications		PR	1							
11											
12											
13	**Linear and Nonlinear Optimization**			**Randomised Algorithms and Random Graphs**			**Communication Networks**				
14	Linear and Nonlinear Optimization		VL	4	Randomised Algorithms and Random Graphs		VL	2	Communication Networks		VL	2
15	Linear and Nonlinear Optimization		HÜ	1	Randomised Algorithms and Random Graphs		HÜ	2	Communication Networks Excercise		PBL	1
16									Selected Topics of Communication Networks		PBL	2
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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.