## Course of Study Computational Science and Engineering (Study Cohort w14)

Sample course plan E Master Computational Science and Engineering (IIWMS) Specialisation Systems Engineering and Robotics

 
 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/w	«Semester 2	Form Hrs	wkSemester 3	Form H	rs/wk	Semester 4 Form Hrs/wk
1	Numerical Mathematics II			Nonlinear Optimization		Research Project and Seminar			Master Thesis
2	Numerical Mathematics II	VL	2	Nonlinear Optimization	VL 3	Seminar	SE	2	
3	Numerical Mathematics II	UE	2	Nonlinear Optimization	UE 1				
5									
6									
7									
8	Digital Image Analysis			Pattern Recognition and Data Compressi					
9	Digital Image Analysis	VL	4	Pattern Recognition and Data Compression	VL 4				
10									
11									
12									
13	Robotics			Computer Graphics and Animation					
14	Robotics: Modelling and Control	VL	3	Computer Graphics and Animation	VL 2				
15	Robotics: Modelling and Control		2	Computer Graphics and Animation	PS 2				
16	Trobotios. Modelling and Control	02	_	Compator Graphics and Ammaton	.0 2				
17									
18									
19 20	Intelligent Systems in Medicine			Robotics and Navigation in Medicine		Control Systems Theory and Design			
21	Intelligent Systems in Medicine	VL	2	Robotics and Navigation in Medicine	VL 2	Control Systems Theory and Design	VL	2	
22	Intelligent Systems in Medicine	UE	1	Robotics and Navigation in Medicine	UE 1	Control Systems Theory and Design	UE	2	
23	Intelligent Systems in Medicine	PS	2	Robotics and Navigation in Medicine	PS 2				
24									
25									
26						Mathematical Image Processing	\ /I	_	
27						Mathematical Image Processing	VL		
28						Mathematical Image Processing	UE	1	
29									
30									
31						Numerical Methods for Medical Imaging			
32						Numerical Methods for Medical Imaging	VL	2	
33 34						Numerical Methods for Medical Imaging		2	
35									
36									
00	Business & Management (from catalogue) - 6	SLP							
	Nontechnical Elective Complementary Course								

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