

MME-CONSTRUCT

Partner Universities and Faculties	Module		CP	WS - 1. Sem.			SS - 2. Sem.			WS - 3. Sem.			SS - 4. Sem.		
				L	E	P	L	E	P	L	E	P	L	E	P
				SWS			SWS			SWS			SWS		
Engineering	Compulsory Courses - Engineering		50												
	Structural Analysis and Computational Methods I	Klinkel (LBB)	5	2	2										
	Steel Structures in Industrial Applications	Feldmann (STB)	5	2	2										
	Structural Dynamics	Altay (LBB)	5	2	2										
	Individualized Construction	Brell-Cokcan ((IP)	5	2	2										
	Factory Planning	Kampker (WZL)	5				2	2							
	Introduction to Soil Mechanics and Dynamics	Ziegler (GIB)	5				2	2							
	Design of Concrete Structures for Industrial Facilities	Hegger (IMB)	5				2	1							
	Design and Detailing of Nonstructural Industrial Components and Equipment	Hoffmeister (STB/CWE)	5				2	1							
	Earthquake Engineering and Seismic Risk Assessment	Dumova (CWE/UKIM)	5							2	2				
	Engineering Ethics and Responsible Decision Making	Taneva (CWE/IECE)	5							2	2				
	Compulsory Elective Courses - Engineering		13												
	Structural Control and Health Monitoring	1 out of 2	Altay (LBB)	3	2										
	Structural Analysis and Computational Methods II		Klinkel (LBB)	3	2	1									
	Mechanics of Engineering Materials	1 out of 2	Simon (IFAM)	5				2	1						
	Selected Chapters of Plant Engineering and Construction		Hoffmeister (STB/CWE)	5				2		1					
	Introduction to Research	1 out of 2	Simon (IFAM)	5									2	2	
Engineering, Culture and Society	Leicht-Scholten (GDI)		5									2	2		
Compulsory Elective Courses - Management and Engineering		5													
Computational Methods for Advanced Materials and Structures	1 out of 2	Simon (IFAM)	5							2	2				
Leadership and Organizational Behaviour		Kushma	5							2	2				
Compulsory Courses - Management		25													
Probabilistic Risk Analysis in Industrial Facilities		Steffy	5							2	2				
Project Management in the Context of Disasters		Islam	5							2	2				
Foundations in Emergency Management		Manning	5							2	2				
Strategic Technology Management		Salge (ISO)	5	2	2										
Risk Management and Decision under Uncertainties		Lontzek (LCE)	5				2	2							
German Language Course		2													
German Language Course			2	1	1										
Master Thesis		25													
Master Thesis			25											6 Months	
Master Defense Colloquium															
Total			120	30			30			30			30		