

1. Semester (WS)		Credits	2. Semester (SS)		Credits	3. Semester (WS)		Credits	4. Semester (SS)		Credits		
 technische universität dortmund			 UNIVERSITÀ DI TRENTO			 CENTRALE NANTES			Master Thesis		30 Cr		
Engineering Mathematics		5 Cr							» Master Thesis at one of the three partner institutions » Possible collaboration with associate partners				
Advanced Continuum Mechanics		8 Cr											
Enriched Continua and Metamaterials		5 Cr			Modeling and Simulation of Structures			6 Cr			Homogenization Methods for Materials and Structures	5 Cr	
Nonlinear Structural Analysis		6 Cr			Stability of Structures			6 Cr			Mechanics of Porous Media	5 Cr	
					Mechanics of Solids and Structures under Extreme Conditions			6 Cr			Design and Behavior of Modern Concrete	5 Cr	
					Machine Learning for Wireless Structural Health Monitoring			6 Cr					
					Modern Languages	2 Cr							
					Summer School	2 Cr							
Elective Module I+II		3+3 Cr	Elective Module III » Metastructures » Risk analysis and structural reliability		6 Cr	Elective Module IV » Durability and Structural Maintenance » Earthquake Engineering		5 Cr					
» Construction with trees in practice » "How sustainable can building materials be?" » Structural Systems in Engineering Practices » Organic design and structures													
Credits (ETCS)		30	Credits (ETCS)		30	Credits (ETCS)		30	Credits (ETCS)		30		
 TU-Dortmund University			 University of Trento			 Ecole Centrale de Nantes			 One of the three				