Course of Study Civil Engineering (Study Cohort w22)

Sample course plan A Master Civil Engineering (BAUMS) Dual study program

Specia	lisation Structural Engineering				
1	Finite Elements Methods		Practical module 2 (dual study program, Master's degree)	Practical module 3 (dual study program, Master's degree)	Selected Topics in Civil Engineering (part 2)
2	Finite Element Methods VL	2	Practical term 2 0	Practical term 3 0	Selection from a catalog
-	Finite Element Methods HŪ	2			
5					
4					Master thesis (dual study program)
5					
6					
7	Sustainability and Risk Management				
8	Environment and Sustainability VL	2			
9	Safety, Reliability and Risk Assessment SE	2			
10					
11			Design of Prestressed Structures and Concrete Bridges	Study Work Structural Engineering	
12			Design of Prestressed Structures and Concreet Bridges VL 3		
13			Design of Prestressed Structures and Concreet Bridges HÜ 2		
14	Practical term 1	0			
14					
15					
16					
17			Statics and Dynamics of Structures	Computational Analysis of Concrete Structures	
18			Fracture mechanics and fatigue in steel structures VL 1 Fracture mechanics and fatigue in steel structures H ^{II} 1	Computational Analysis of Concrete Structures VL 2	
19			Structural Dynamics VL 2	FE-Modeling of Concrete Structures PBL 2	
20			Structural Dynamics HÜ 2		
21					
22					
23	Contracturies III		Steel Construction Droject	Colosted Teniss in Civil Engineering (part 1)	
23	Numerical Methods in Geotechnics VL	3	Steel Construction Project PS 4	Selection from a catalog	
24	Advanced Foundation Engineering VL	2			
25	Advanced Foundation Engineering HÜ	1			
26				Finite element modeling of structures	
27				Finite element modeling of structures VL 2 Finite element modeling of structures GÜ 2	
28					
29	Concrete Structures		Marine Geotechnics		
30	Structural Concrete Members VL	2	Marine Geotechnics VL 1		
31	Structural Concrete Members HÜ	2	Marine Geotechnics HÜ 2 Steel Structures in Foundation and Hudraulis Engineering M(2)		
32	Concrete Structures SE	1	Steel Structures in Foundation and Hydraulic Engineering VL 2		
22					
33					
34					
35	Steel and Composite Structures	2			
36	Steel and Composite Structures VL	2			
37	Steel and Composite Structures HŪ	2			
38					
39					
40					
	Business & Management (from catalogue) - 6LP				
	Linking theory and practice (dual study program, Master's degree) (from catalogue) - 6LP				
	and proceed and provide study program, Master's deg	9.00/(1	in catalogae, JEI		

Specialisation Compulsory

Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory

Focus Compulsory

Thesis Compulsory

Interdisciplinary complement

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