

Exclosure to Subject Specific Regulations  
 from 25.07.2018  
 for Bachelor-Programme  
 Bau- und Umweltingenieurwesen  
 at TUHH  
 Programme Director: Prof. Peter Fröhle  
 Total: 180 CP  
 Number of Specilisations to choose: 0



# Course Scheme Bachelor Civil- and Environmental Engineering (BUBS)

Consolidated Version  
 for Study Cohort: WiSe19/20  
 en\_head\_sda  
 and Approval of Chair from:  
 30.04.2020  
 Replaces Version from: 20.03.2019  
 In Force on: 01.10.2020  
 Out of Force on: 31.03.2024

Information regarding the lectures are available in the TUHH modul manuals as well as in the course catalogue.

Re-com. Term	Module						Examination			Course Work		
	Module Name (German / English)	Language	ModuleResponsability	Institute	C/EC (1)	CM/OM (2)	CP (4)	Grade	Examination Form(3)	Compulsory	Course Work Type	Bonus (in %)
<b>Core qualification</b> Compulsory Courses: 168 LP Optional Courses: 0 LP												
1	Baustoffgrundlagen und Bauphysik / Principles of Building Materials and Building Physics	DE	Prof. Schmidt-Döhl	B-3	C	CM	6	Y	KL			
1	Chemie / Chemistry	DE	Dr. Rechtenbach	B-2	C	CM	6	Y	KL			
1	Mathematik I / Mathematics I	DE	Prof. Taraz	E-10	C	CM	8	Y	KL			
1	Mechanik I (Stereostatik) / Mechanics I (Statics)	DE	Prof. Seifried	M-13	C	CM	6	Y	KL	N	MT	20
2	Abfall und Boden / Waste and Soil	EN	Prof. Kuchta	V-9	C	CM	6	Y	KL			
2	Baukonstruktion / Structural Design	DE	Prof. Schmidt-Döhl	B-3	C	CM	6	Y	FFA			
2	Baustoffe und Bauchemie / Building Materials and Building Chemistry	DE	Prof. Schmidt-Döhl	B-3	C	CM	6	Y	KL	N	RE	10
2	Mathematik II / Mathematics II	DE	Prof. Taraz	E-10	C	CM	8	Y	KL			
2	Mechanik II: Elastostatik / Mechanics II: Mechanics of Materials	DE	Prof. Cyron	M-15	C	CM	6	Y	KL			
3	Baustatik I / Structural Analysis I	DE	Prof. Starossek	B-4	C	CM	6	Y	KL	N	SA	10
3	Grundlagen der Betriebswirtschaftslehre / Foundations of Management	DE	Prof. Ihl	W-11	C	CM	6	Y	FFA			
3	Hydromechanik und Hydrologie / Hydromechanics and Hydrology (lt. letzter PO Wasserbau I)	DE	Prof. Fröhle	B-10	C	CM	6	Y	KL			
3	Mathematik III / Mathematics III	DE	Prof. Taraz	0-UNIHH	C	CM	8	Y	KL			
3-4	Anwendungen im Bau- und Umweltingenieurwesen / Applications in Civil and Environmental Engineering	DE / EN	Prof. Fröhle	B-10	C	OM	6	Selection out of Catalogue below				
4	Baustatik II / Structural Analysis II	DE	Prof. Starossek	B-4	C	CM	6	Y	KL	N	SA	10

		Module					Examination			Course Work		
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4	Bauwirtschaft und Baumanagement / Construction Industry and Construction Management (lt. letzter PO Bau- und Umweltmanagement)	DE	Prof. Grabe	B-5	C	CM	6	Y	KL			
4	Geotechnik I / Geotechnics I	DE	Prof. Grabe	B-5	C	CM	6	Y	KL	N	TE	20
4	Massivbau I / Reinforced Concrete Structures I	DE	Prof. Rombach	B-7	C	CM	6	Y	KL	Y	ÜA	0
4	Wasserbau / Hydraulic Engineering (lt. letzter PO Wasserbau II)	DE	Prof. Fröhle	B-10	C	CM	6	Y	KL			
5	Geotechnik II / Geotechnics II	DE	Prof. Grabe	B-5	C	CM	6	Y	KL	N	TE	20
5	Massivbau II / Reinforced Concrete Structures II	DE	Prof. Rombach	B-7	C	CM	6	Y	KL	Y	ÜA	0
5	Stahlbau I / Steel Structures I	DE	Prof. Rutner	B-4	C	CM	6	Y	KL			
5	Verkehrsplanung und Verkehrstechnik / Transportation Planning and Traffic Engineering	DE	Prof. Gertz	W-8	C	CM	6	Y	FFA	Y	GD	0
										N	ÜA	5
5	Wasserwirtschaft / Water Management	DE	NN	B-11	C	CM	6	Y	KL			
6	Siedlungswasserwirtschaft I / Sanitary Engineering I (lt. letzter PO Siedlungswasserwirtschaft)	DE	Prof. Otterpohl	B-2	C	CM	6	Y	KL			
6	Stahlbau II / Steel Structures II	DE	Prof. Rutner	B-4	C	CM	6	Y	KL			
1-6	Nichttechnische Angebote im Bachelor / Non-technical Courses for Bachelors (lt. letzter PO Nichttechnische Ergänzungskurse im Bachelor)	DE / EN	Richter	0-TUHH	C	OM	6	Selection out of seperatly published Catalogue				
<b>Thesis</b> Compulsory Courses: 12 LP Optional Courses: 0 LP												
6	Bachelorarbeit / Bachelor Thesis		Professoren der TUHH	0-TUHH	C	CM	12	Y	AB			

## Applications in Civil and Environmental Engineering

Course					Examination			
Course Name (German / English)	Course Form LV(5)	Language (6)	SWS (7)	Sem. LV	CP (4)	Grade	Examination Form(3)	Additional information
Anwendungen der Baudynamik / Applied Structural Dynamics	VL	DE	2	WiSe	2	N	MP	
Bodenmechanisches Praktikum / Soil Laboratory Course	PR	DE	1	WiSe	2	N	SA	
Building Information Modeling / Building Information Modeling	VL	DE	1	WiSe/SoSe	1	N	SA	
Building Information Modeling / Building Information Modeling	PBL	DE	2	WiSe/SoSe	2	N	SA	
Computerbasierte Tragwerksberechnungen / Computational Analysis of Structures	VL	DE	2	WiSe	3	N	KL	
Einführung in die Statistik mit R / Introduction in Statitics with R	VL	DE	1	WiSe	1	N	KL	

Course					Examination			
Course Name (German / English)	Course Form LV(5)	Language (6)	SWS (7)	Sem. LV	CP (4)	Grade	Examination Form(3)	Additional information
Einführung in die Statistik mit R / Introduction in Statistics with R	HÜ	DE	1	WiSe	1	N	KL	
Grundlagen der Geomatik / Principles of Geomatics	VL	DE	2	SoSe	2	N	SA	
Grundlagen der Geomatik / Principles of Geomatics	UE	DE	2	SoSe	2	N	SA	
Numerik und Matlab / Numeric and Matlab	PR	DE	2	SoSe	2	N	FFA	
Praktikum Trinkwasserchemie / Practical Course in Drinking Water Chemistry	PR	DE	1	WiSe	2	N	FFA	
Projekte II / Projects II	PS	DE	2	SoSe	2	N	RE	
Spezielle Themen des Bau- und Umweltingenieurwesens 1LP / Special topics of Civil- and Environmental Engineering		DE/EN	1	WiSe/SoSe	1	N	It. FSPO	
Spezielle Themen des Bau- und Umweltingenieurwesens 2LP / Special topics of Civil- and Environmental Engineering 2 LP		DE/EN	2	WiSe/SoSe	2	N	It. FSPO	
Spezielle Themen des Bau- und Umweltingenieurwesens 3LP / Special topics of Civil- and Environmental Engineering 3LP		DE/EN	3	WiSe/SoSe	3	N	It. FSPO	
Vorbeugender und abwehrender Brandschutz / Fire Protection and Prevention	VL	DE	2	SoSe	2	N	MP	

#### Explanation:

<sup>1</sup>C=Compulsory, EC=Elective Compulsory

<sup>2</sup>CM=Compulsory Defined Module, OM=Optional Defined Module

<sup>3</sup>KL=Written exam, MT=Midterm, SA=Written elaboration, FFA=Subject theoretical and practical work, MP=Oral exam, RE=Presentation, GD=Group discussion, ÜA=Exercices, AB=Thesis, It. FSPO=according to Subject Specific Regulations, TE=Attestation

<sup>4</sup>CP=Credit Points

<sup>5</sup>VL=Lecture, SE=Seminar, UE=Recitation Section (small), PBL=Project-/problem-based Learning, PR=Practical Course, PS=Project Seminar, HÜ=Recitation Section (large)

<sup>6</sup>DE=German, EN=English, DE/EN=German and English

<sup>7</sup>SWS=Contact hours