

Building Materials

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14	13/14	13/14	13/14
									sp1	sp2	sp3	sp4
VBM611	6	G1	IBYA	-	S	Materials Engineering		KS KE U W T	1			
VBMN05	7.5	A	V	-	S	Moisture Safety in the Building Process		KS KE U W T	1			
VBM012	6	G1	BI	-	S	Building Materials		KS KE U W T		2		
VBM012			V								3	
VBMA05	3	G1	A	-	S	Building Materials		KS KE U W T			3	
VBMN10	7.5	A	V	-	S	Concrete in a Life-cycle Perspective		KS KE U W T			3	
VBMF05	7.5	G2	V	-	S	Building Material Science		KS KE U W T				4

Building Physics

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14	13/14	13/14	13/14
									sp1	sp2	sp3	sp4
VBFF01	7.5	G2	V	-	S	Energy Efficiency and Indoor Environment	KS KE U W T	1				
VBFF05	7.5	G2	MEMB	X	E	Moisture Safety Design	KS KE U W T	1				
VBEN01	7.5	A	V	-	S	Sustainable Building Technology	KS KE U W T	1				
ABKF01	7.5	G2	L	-	S	Technical Management of Buildings	KS KE U W T	1				
VBFA05	4	G1	BI	-	S	Building Technology	KS KE U T	1	2			
VBF605	6	G2	IBYA	-	S	Building Physics	KS KE U W T		2			
VBF630	6	G1	IBYA	-	S	Building Technology	KS KE U W T		2			

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14	13/14	13/14	13/14
									sp1	sp2	sp3	sp4
VBMA10	3	G1	A	-	S	Building Technology and Building Physics	KS KE U W T		2			
VBEN05	7.5	A	V	-	S	Energy, Air Movements and Moisture at Rebuilding and Administration	KS KE U W T				3	
VBFA01	10	G1	V	-	S	Building Technology and Building Services	KS KE U W T				3	4
VBEN10	7.5	A	V	-	S	Design concerning Energy, Air Movements and Moisture in New Buildings	KS KE U W T					4

Building Services

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
								13/14 sp1	13/14 sp2	13/14 sp3	13/14 sp4
ABKF15	7.5	G2	MEMB	X	E	Life Cycle Perspective and Environmental Impact of Buildings	KS KE U W T	1			
ABKF05	7	G2	IBYA	-	S	Building Services	KS KE U W T			3	
VBMA20	3	G1	A	-	S	Energy and Building Services	KS KE U W T			3	
ABKF10	7.5	G2	MEMB	X	E	Ventilation and Indoor Air Quality	KS KE U W T			3	

Construction Management

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14	13/14	13/14	13/14
									sp1	sp2	sp3	sp4
VBEN20	7.5	A	V	-	S	Construction Innovation Systems		KS KE U W T	1			
VBE675	7.5	G2	IBYA	-	S	Management – Project Study		KS KE U W T	1			
VBEF15	7.5	G2	V	-	S	Technique for Construction Management		KS KE U W T	1			
VBE680	7.5	G2	IBYA	-	S	Programwork, Community Planning and Building-design - Project Study		KS KE U W T	1	-		
VBEA20	7	G1	IBYA	-	S	The Construction Process with Business Economy		KS KE U W T	1	2		
VBEN15	7.5	A	V	-	S	Construction Management		KS KE U W T		2		
VBE685	7.5	G2	IBYA	-	S	Planning and Design – Project Study		KS KE U W T		2		

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14	13/14	13/14	13/14	
									sp1	sp2	sp3	sp4	
VBE690	7.5	G2	IBYA	-	S	Production, Steering and Planning – Project Study		KS KE U W T			2		
VBEF10	7.5	G2	L , V	-	S	Real Estate Management		KS KE U W T			2		
VBEF01	7.5	G2	M , V	-	S	Project Management		KS KE U W T				3	
VBEA10	5	G1	V	-	S	The Construction Process		KS KE U W T				3	
VBEA05	5	G1	A	-	S	The Construction Process, Basic Course		KS KE U W T				3	
GEMA40	7.5	G1	A , B , BI , BME , C , D , E , F , I , K , L , M , MD , N , Pi , RH , V , W	-	S	Entrepreneurship and Business Development		KS KE U W T				3	4
VBEF05	7.5	G2	L	-	S	Construction Process and Project Management		KS KE U W T					4

Course Code	Credits	Cycle		Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
									13/14 sp1	13/14 sp2	13/14 sp3	13/14 sp4
VBEN01	7.5	A	L , V		-	S	The Role of the Construction Client	KS KE U W T				4

Fire Safety Engineering

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14	13/14	13/14	13/14
									sp1	sp2	sp3	sp4
VBRA05	9	G1	BI	-	S	Introduction to Fire and Risk Engineering	KS KE U T	1				
VBRN30	7.5	A	BI, RH	X	E	Introduction to Societal Resilience	KS KE U T	1				
VBR082	15	A	BI	-	S	Fire Detection and Suppression	KS KE U	1	2			
VBR180	15	A	BI, Pi, RH	-	S	Risk Analysis Methods	KS KE U	1	2			
VBR110	7.5	A	BI, RH	-	S	Risk Based Land Use Planning	KS KE U T	1	2			
VBRN35	7.5	A	BI, RH	X	E	Capacity Development	KS KE U T		2			
VBR022	15	G2	BI	-	S	Fire Chemistry and Explosions	KS KE U T		2			

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
								13/14 sp1	13/14 sp2	13/14 sp3	13/14 sp4
VBRA10	7.5	G1	BI, RH	-	S	Consequence Analysis	KS KE U T			3	
VBRE10	15	G2	BI	-	S	Fire Dynamics	KS KE U T			3	
VBRN05	9	A	MFST	X	E	Fire Dynamics - Advanced	KS KE U T			3	
VBRN40	7.5	A	BI, RH	X	E	Preparedness and Planning	KS KE U T			3	
VBR054	15	A	BI	-	S	Fire Safety Evaluation	KS KE U T			3	4
VBRN01	8	A	MFST	X	E	Risk Assessment	KS KE U T			3	4
VBRE16	9	G2	BI, RH	X	E	Simulation of Fires in Enclosures	KS KE U T			3	4

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
								13/14 sp1	13/14 sp2	13/14 sp3	13/14 sp4
VBRN16	5	A	MFST	X	E	Simulation of Fires in Enclosures	KS KE U T			3	4
VBRN10	8	A	BI, MFST, RH	X	E	Human Behaviour in Fire	KS KE U T				4
VBR240	4.5	G1	BI	-	S	Introductory Course for Firemen	X	KS KE U T			4
VBR171	7.5	A	RH	-	S	Risk Management Processes	KS KE U T				4

[VBR240](#) ([BI](#)) Introductory Course for Firemen: *The course is offered in the summer after year 1.*

Structural Engineering

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14	13/14	13/14	13/14
									sp1	sp2	sp3	sp4
VBK041	7.5	A	V	X	E1	Design of Bridges	KS KE U W T	1	2			
VBMA01	3	G1	A	-	S	Architectural Design	KS KE U W T		2			
VBKN05	7.5	A	V	-	E1	Concrete Structures	KS KE U W T		2			
VBKN10	7.5	A	V	X	E1	Risk Management in Construction Technology Applications	KS KE U W T		2			
VBKN01	7.5	A	V	-	S	Steel and Timber Structures	KS KE U W T			3		
VBKF05	7.5	G2	V	-	S	CAD with Building Applications	KS KE U W T			3	4	
VBK013	9	G2	V	-	S	Structural Engineering, Basic Course	KS KE U W T			3	4	

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links					
								13/14 sp1	13/14 sp2	13/14 sp3	13/14 sp4		
VBKF01	7.5	G2	V	-	S	Structural Engineering - Building Systems		KS	KE	U	W	T	4

Water Resources Engineering

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14	13/14	13/14	13/14
									sp1	sp2	sp3	sp4
VVR176	7.5	A	MWLU, V, W	X	E	Environmental Hydraulics	KS KE U W T	1				
VVR120	7.5	G2	W	X	E	Fluid Mechanics	KS KE U W T	1				
VVRF01	7.5	G2	MWLU, V, W	X	E	Integrated Water Resources Management: International Aspects	KS KE U W T	1				
VVRN10	7.5	A	MWLU, Pi, V, W	X	E	Rainfall Runoff Modelling	KS KE U W T	1				
VVR111	15	G1	W	X	E	Hydrology and Aquatic Ecology	KS KE U W T	1	2			
VVRN01	7.5	A	MWLU, V, W	X	E	Advanced Hydraulics	KS KE U W T		2			
VVRN05	7.5	A	MWLU, V, W	X	E	Advanced Hydrology	KS KE U W T		2			

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links						
								13/14 sp1	13/14 sp2	13/14 sp3	13/14 sp4			
VVR090	7.5	A	MWLU, V, W	X	E	Hydromechanics		KS	KE	U	W	T	3	4
VVR170	7.5	A	MWLU, V, W	X	E	River Restoration		KS	KE	U	W	T	3	4
VVR145	9	G1	V	-	S	Water		KS	KE	U	W	T	3	4
VVR040	7.5	A	MWLU, V, W	X	E	Coastal Hydraulics		KS	KE	U	W	T		4
VVR05	7.5	G2	W	-	E	International Summer Water Resources Research School	X	KS	KE	U	W	T		4

[VVR05](#) ([W](#)) International Summer Water Resources Research School: *Most of the course is taught outside normal semester time.*

Bachelor's Projects of the Department

The list contains the bachelor's projects which are given by the department and which programme each bachelor's project is included in. The list is not necessarily complete before the academic year 2016/17.

Links

Course Code	Credits	Programme	Course Name	Links
VBML01	15	V	Bachelor Project in Building Materials	KS KE U
VBFL01	15	V	Bachelor Project in Building Physics	KS KE U
ABKL01	15	V	Bachelor Project in Building Services	KS KE U
VBEL01	15	L , V	Bachelor Project in Construction Management	KS KE U W
VBKL01	15	V	Bachelor Project in Structural Engineering	KS KE U
VVRL01	15	V , W	Bachelor Project in Water Resources Engineering	KS KE U

Degree Projects of the Department

The list contains the degree projects which are given by the department and which programme each degree project is included in.

Links

Course Code	Credits	Programme	Course Name	Links
VBM820	30	V	Degree Project in Building Materials for Engineers	KS KE U W
VBF820	30	V	Degree Project in Building Physics for Engineers	KS KE U W
ABK920	30	V	Degree Project in Building Services	KS KE U
VBEM01	30	L , V	Degree Project in Construction Management	KS KE U W
VMT615	22.5	IBYA	Degree Project	KS KE U
VBRM01	22.5	BI	Degree Project in Fire Safety Engineering	KS KE U
VBRM05	30	MFST	Degree Project in Fire Safety Technology	KS KE U
VBR920	30	RH	Degree Project in Risk Management and Safety Engineering	KS KE U
VBK920	30	V	Degree Project in Structural Engineering	KS KE U
VVR820	30	V , W	Degree Project in Water Resources Engineering	KS KE U W
VVRM01	30	MWLU	Degree Project in Water Resources Engineering	KS KE U