

Building Materials

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	12/13	12/13	12/13	12/13													
				S.Ex. stud.					sp1	sp2	sp3	sp4													
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S		
VBM611	6	G1	IBYA	-	S	Materials Engineering		KS KE U W T	28	24	4	2	102												
VBM012	6	G1	BI	-	S	Building Materials		KS KE U W T		28	28	12	0	90											
VBM012			V												28	28	12	0	92						
VBMN05	7.5	A	V	-	S	Moisture Safety in the Building Process		KS KE U W T		28	42	0	0	130											
VBMA05	3	G1	A	-	S	Building Materials		KS KE U W T							21	0	8	0	50						
VBMN10	7.5	A	V	-	S	Concrete in a Life-cycle Perspective		KS KE U W T							28	28	30	0	114						
VBMF05	7.5	G2	V	-	S	Building Material Science		KS KE U W T													28	28	20	0	124

Building Physics

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	12/13	12/13	12/13	12/13													
				S.Ex. stud.					sp1	sp2	sp3	sp4													
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S		
VBFF01	7.5	G2	V	-	S	Energy Efficiency and Indoor Environment		KS KE U W T	28	13	15	10	134												
VBFF05	7.5	G2	MEMB	X	E	Moisture Safety Design		KS KE U W T	20	20	10	1	149												
VBFN01	7.5	A	V	-	S	Sustainable Building Technology		KS KE U W T	37	14	5	10	134												
ABKF01	7.5	G2	L	-	S	Technical Management of Buildings		KS KE U W T	24	26	0	0	150												
VBFA05	4	G1	BI	-	S	Building Technology		KS KE U T	20	8	0	8	47	4	0	0	0	24							
VBF605	6	G2	IBYA	-	S	Building Physics		KS KE U W T			22	36	0	0	102										
VBF630	6	G1	IBYA	-	S	Building Technology		KS KE U W T			28	20	0	0	112										
VBMA10	3	G1	A	-	S	Building Technology and Building Physics		KS KE U W T			24	8	0	7	41										
VBEN05	7.5	A	V	-	S	Energy, Air Movements and Moisture at Rebuilding and Administration		KS KE U W T							40	10	10	20	120						
VBFA01	10	G1	V	-	S	Building Technology and Building Services		KS KE U W T							20	30	0	20	70	18	54	8	20	35	
VBFN10	7.5	A	V	-	S	Design concerning Energy, Air Movements and Moisture in New Buildings		KS KE U W T													24	22	11	10	133

Building Services

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	12/13																
									sp1	sp2	sp3	sp4													
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S		
ABKF05	7	G2	IBYA	-	S	Building Services		KS KE U W T			18	40	4	0	125										
VBMA20	3	G1	A	-	S	Energy and Building Services		KS KE U W T			28	8	0	0	44										
ABKF10	7.5	G2	MEMB	X	E	Ventilation and Indoor Air Quality		KS KE U W T			20	20	10	1	149										

Construction Management

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	12/13																			
				S.Ex. stud.					sp1	sp2	sp3	sp4																
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S					
VBEN15	7.5	A	V	-	S	Construction Management		KS KE U W T	26	40	0	15	119															
VBE675	7.5	G2	IBYA	-	S	Management – Project Study		KS KE U W T	32	32	0	40	90															
VBEF15	7.5	G2	V	-	S	Technique for Construction Management		KS KE U W T	28	56	16	0	100															
VBE685	7.5	G2	IBYA	-	S	Planning and Design – Project Study		KS KE U W T	12	12	0	40	40	12	12	0	40	40										
VBE680	7.5	G2	IBYA	-	S	Programwork, Community Planning and Building-design - Project Study		KS KE U W T	12	12	0	40	40	12	12	0	40	40										
VBEA20	7	G1	IBYA	-	S	The Construction Process with Business Economy		KS KE U W T	22	20	0	0	50	22	20	0	0	50										
VBEN20	7.5	A	V	-	S	Construction Innovation Systems		KS KE U W T						24	24	0	12	140										
VBE690	7.5	G2	IBYA	-	S	Production, Steering and Planning – Project Study		KS KE U W T						34	36	0	40	90										
VBEF10	7.5	G2	L , V	-	S	Real Estate Management		KS KE U W T						30	74	0	0	96										
VBEF01	7.5	G2	M , V	-	S	Project Management		KS KE U W T											32	40	0	2	126					
VBEA10	5	G1	V	-	S	The Construction Process		KS KE U W T											26	26	8	0	73					
VBEA05	5	G1	A	-	S	The Construction Process, Basic Course		KS KE U W T											20	40	0	0	73					
GEMA40	7.5	G1	A , B , BI , BME , C , D , E , F , I , K , KID , L , M , MD , MID , N , Pi , RH , V , W	-	S	Entrepreneurship and Business Development		KS KE U W T											23	0	0	5	75	23	0	0	5	75
VBEF05	7.5	G2	L	-	S	Construction Process and Project Management		KS KE U W T																32	40	0	0	128
VBEN01	7.5	A	L , V	-	S	The Role of the Construction Client		KS KE U W T																28	28	0	0	144

Fire Safety Engineering

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	12/13				12/13				12/13				12/13								
				S.Ex. stud.					sp1	sp2	sp3	sp4	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O
VBRA05	9	G1	BI	-	S	Introduction to Fire and Risk Engineering		KS KE U T	48	24	16	60	92																
VBR225	15	G2	BI , RH	-	E2	Emergency and Disaster Management		KS KE U T	20	10	0	40	130	20	10	0	40	130											
VBR082	15	A	BI	-	S	Fire Detection and Suppression		KS KE U	46	4	14	4	132	10	12	16	26	136											
VBR180	15	A	BI , Pi , RH	-	S	Risk Analysis Methods		KS KE U	48	10	16	3	123	30	32	14	3	121											
VBR110	7.5	A	BI , RH	-	S	Risk Based Land Use Planning		KS KE U T	16	5	0	1	78	4	4	0	1	91											
VBR022	15	G2	BI	-	E2	Fire Chemistry and Explosions		KS KE U T						66	46	16	0	272											
VBRA10	7.5	G1	BI , RH	-	S	Consequence Analysis		KS KE U T											26	6	4	0	164						
VBRF10	15	G2	BI	-	E2	Fire Dynamics		KS KE U T											28	16	24	0	332						
VBRN05	9	A	MFST	X	E	Fire Dynamics - Advanced		KS KE U T											20	10	10	0	200						
VBRN01	8	A	MFST	X	E	Risk Assessment		KS KE U T											28	36	8	2	140						
VBR054	15	A	BI	-	S	Fire Safety Evaluation		KS KE U T											20	64	4	3	109	20	64	4	3	109	
VBRF15	9	G2	BI , RH	X	E	Simulation of Fires in Enclosures		KS KE U T											10	4	0	0	106	10	4	0	0	106	
VBRN15	5	A	MFST	X	E	Simulation of Fires in Enclosures		KS KE U T											8	7	0	0	50	7	8	0	0	53	
VBRN10	8	A	BI , MFST , RH	X	E	Human Behaviour in Fire		KS KE U T																26	0	18	4	166	
VBR240	4.5	G1	BI	-	S	Introductory Course for Firemen	X	KS KE U T																10	100	0	0	0	
VBR171	7.5	A	RH	-	S	Risk Management Processes		KS KE U T																	40	12	8	0	140

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

Structural Engineering

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	12/13																			
				S.Ex. stud.					sp1	sp2	sp3	sp4																
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
VBK041	7.5	A	V	X	E1	Design of Bridges		KS KE U W T	20	22	0	4	54	20	22	0	2	56										
VBMA01	3	G1	A	-	S	Architectural Design		KS KE U W T						24	14	1	0	41										
VBKN05	7.5	A	V	-	E2	Concrete Structures		KS KE U W T						24	32	3	1	140										
VBKN10	7.5	A	V	X	E1	Risk Management in Construction Technology Applications		KS KE U W T						21	42	0	3	134										
VBKN01	7.5	A	V	-	S	Steel and Timber Structures		KS KE U W T											38	32	0	0	130					
VBKF05	7.5	G2	V	-	S	CAD with Building Applications		KS KE U W T											14	21	0	0	45	14	21	0	0	45
VBK013	9	G2	V	-	S	Structural Engineering, Basic Course		KS KE U W T											26	32	0	1	61	26	32	0	1	61
VBKF01	7.5	G2	V	-	S	Structural Engineering - Building Systems		KS KE U W T																28	30	0	2	84

Water Resources Engineering

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	12/13 sp1				12/13 sp2				12/13 sp3				12/13 sp4							
				S.Ex.	stud.				F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
VVR176	7.5	A	MWLU, V, W	X	E	Environmental Hydraulics		KS KE U W T	36	20	0	0	144															
VVR120	7.5	G2	W	X	E	Fluid Mechanics		KS KE U W T	44	28	0	0	128															
VVRF01	7.5	G2	MWLU, V, W	X	E	Integrated Water Resources Management: International Aspects		KS KE U W T	22	4	0	8	166															
VVRN10	7.5	A	MWLU, Pi, V, W	X	E	Rainfall Runoff Modelling		KS KE U W T	33	10	14	5	138															
VVR111	15	G1	W	X	E	Hydrology and Aquatic Ecology		KS KE U W T	42	52	0	0	100	30	25	0	0	70										
VVRN01	7.5	A	MWLU, V, W	X	E	Advanced Hydraulics		KS KE U W T						28	28	0	0	144										
VVRN05	7.5	A	MWLU, V, W	X	E	Advanced Hydrology		KS KE U W T						28	28	0	0	144										
VVR090	7.5	A	MWLU, V, W	X	E	Hydromechanics		KS KE U W T											18	10	0	0	72	18	10	0	0	72
VVR170	7.5	A	MWLU, V, W	X	E	River Restoration		KS KE U W T											12	12	0	1	75	12	12	0	2	74
VVR145	9	G1	V	-	E2	Water		KS KE U W T											38	24	0	0	92	14	12	1	0	59
VVR040	7.5	A	MWLU, V, W	X	E	Coastal Hydraulics		KS KE U W T																28	28	0	0	144
VVRF05	7.5	G2	W	-	E	International Summer Water Resources Research School	X	KS KE U W T																10	10	50	30	100

[VVRF05](#) ([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	MWLU , V , W	Degree Project in Water Resources Engineering	KS KE U W