

Surveying

Study Year 1 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
								sp1	sp2	sp3	sp4
FMAA05	15	G1	-	S	Calculus in One Variable		KS KE U W T	1	2		
VFVA05	15	G1	-	S	Introductory Law and Real Estate Law		KS KE U W T	1	2		
FMAB20	6	G1	-	S	Linear Algebra		KS KE U W T			3	
VTVA01	12	G1	-	S	Infrastructure Technique		KS KE U W T			3	4
VTVA05	12	G1	-	S	Sustainable Construction		KS KE U W T				4

Study Year 2 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
								sp1	sp2	sp3	sp4
EMAB30	6	G1	-	S	Calculus in Several Variables		KS KE U W T	1			
EDAA20	7.5	G1	-	S	Programming and Databases		KS KE U W T	1			
EMSE50	7.5	G2	-	S	Mathematical Statistics, Basic Course		KS KE U W T		2		
EXTA50	9	G1	-	S	Surveying		KS KE U W T		2		
EXTF80	12	G2	-	S	Geographic Information Technology		KS KE U W T			3	4
VFТА01	18	G1	-	S	Real Estate and Physical Planning		KS KE U W T			3	4

Study Year 3 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
								sp1	sp2	sp3	sp4
VFTE01	15	G2	-	S	Economics		KS KE U W T	1			
VFTE25	10	G2	-	S	Real Estate Valuation and Analysis		KS KE U W T		2		
VFTE30	5	G2	-	S	Takings - Valuation and Compensation		KS KE U W T		2		
VFTE10	15	G2	-	S	Real Property Formation		KS KE U W T			3	4

Study Year 3 (Elective Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links		19/20				
							sp1	sp2	sp3	sp4			
EXTG70	7.5	G2	-	S	Environmental Law		KS	KE	U	W	T	3	
EDAA01	7.5	G1	-	S	Programming - Second Course		KS	KE	U	W	T	3	
VBEF05	7.5	G2	-	S	Construction Process and Project Management		KS	KE	U	W	T		4
VGME10	7.5	G2	X	E1	Geodesy		KS	KE	U	W	T		4
ASBF10	7.5	G2	-	S	Sustainable Urban Design		KS	KE	U	T			4

Specialisation fe - Real Estate Economics

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links					
												sp1	sp2	sp3	sp4	
VERN10	7.5	A	V		4	4	-	S	Land Planning and Building Permits		KS KE U W T	1				
VFTN50	7.5	A	V		4	4	-	S	The Real Estate Market		KS KE U W T	1				
VFTN35	7.5	A	V		4	4	-	S	Evolutionary Urban Processes		KS KE U T		2			
VFTN40	7.5	A	V		4	4	-	E	Real Estate Finance		KS KE U W T		2			
ABKF01	7.5	G2	V		4	4	-	S	Technical Management of Buildings		KS KE U W T		2			
VERN05	7.5	A	V		4	4	-	S	Purchasing Commercial Real Estate		KS KE U W T				3	
VFTN01	7.5	A	V		4	4	-	S	Real Estate Appraisal Systems		KS KE U W T				3	

Course Code	Credits	Cycle	Mand./ Elect.		Language			Course Name	Footnote	Links			
			Year	From year	S.Ex. stud.	sp1	sp2			sp3	sp4		
VBEF10	7.5	G2	V	4	4	-	S	Real Estate Management	KS KE U W T			3	
EMSN30	7.5	A	V	4	4	X	E	Linear and Logistic Regression	KS KE U W T				4
VERN01	7.5	A	V	4	4	-	S	Tenancy	KS KE U W T				4
VBEN01	7.5	A	V	4	4	-	S	The Role of the Construction Client	KS KE U W T				4
VFTN15	7.5	A	V	5	4	-	S	Law and Economics	X	KS KE U W T	1		
VFTN10	7.5	A	V	5	5	X	E1	Urban Economics	KS KE U W T		1		
VFTN20	7.5	A	V	5	5	-	S	Principles of Compensation in Real Estate	KS KE U W T			2	

[VFTN15](#) Law and Economics: *The course is offered every other academic year and will be given in 2019/20, 2021/22.*

Specialisation fr - Real Estate Law

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links					
												sp1	sp2	sp3	sp4	
VFTN05	7.5	A	V		4	4	-	S	Cadastral Procedure		KS KE U W T	1				
VERN10	7.5	A	V		4	4	-	S	Land Planning and Building Permits		KS KE U W T	1				
VFTN35	7.5	A	V		4	4	-	S	Evolutionäre Urban Processes		KS KE U T		2			
EXTN10	7.5	A	V		4	4	X	E1	Web GIS	X	KS KE U W T		2			
VERN05	7.5	A	V		4	4	-	S	Purchasing Commercial Real Estate		KS KE U W T				3	
VFTN55	7.5	A	V		4	4	-	S	Residential Tenancy		KS KE U W T				3	
EMIN45	7.5	A	V		4	4	-	S	Environmental Impact Assessment		KS KE U W T					4

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
											sp1	sp2	sp3	sp4
VERN01	7.5	A	V	4	4	-	S	Tenancy		KS KE U W T				4
VFTN15	7.5	A	V	5	4	-	S	Law and Economics	X	KS KE U W T	1			
VFTN10	7.5	A	V	5	5	X	E1	Urban Economics		KS KE U W T	1			
ASBN50	7.5	A	V	5	5	X	S	Urban Renewal		KS KE U T	1			
VFTN45	7.5	A	V	5	4	-	S	Land Use Law	X	KS KE U W T		2		
VFTN20	7.5	A	V	5	5	-	S	Principles of Compensation in Real Estate		KS KE U W T		2		
VFTN30	7.5	A	V	5	4	X	E1	International Real Estate Planning	X	KS KE U W T	Course on hold			

[EXTN10](#) Web GIS: *The date and time of the exam is announced by the course lecturer.*

[VFTN15](#) Law and Economics: *The course is offered every other academic year and will be given in 2019/20, 2021/22.*

[VFTN45](#) Land Use Law: *The course is offered every other academic year and will be given in 2019/20, 2021/22.*

[VFTN30](#) International Real Estate Planning: *The course is offered every other academic year and will next be offered in 2020/21.*

Specialisation gi - Geographic Information Science

Course Code	Credits	Cycle	Mand./ Elect.		Language			Course Name	Footnote	Links				
			Year	From year	S.Ex.	stud.	sp1				sp2	sp3	sp4	
EDAF80	7.5	G2	V	4	4	X	E	Computer Graphics		KS KE U W T	1			
ETSN05	7.5	A	V	4	4	-	S	Software Development for Large Systems		KS KE U W T	1			
EXTQ05	7.5	A	V	4	4	X	E1	Algorithms in Geographical Information Systems	X	KS KE U W T		2		
EXTN10	7.5	A	V	4	4	X	E1	Web GIS	X	KS KE U W T		2		
EMAF10	5	G2	V	4	4	-	S	Applied Mathematics - Linear systems		KS KE U W T			3	
EXTN70	7.5	A	V	4	4	X	E1	Geographical Databases	X	KS KE U W T			3	
EXTN75	7.5	A	V	4	4	X	E1	Spatial Analysis	X	KS KE U W T			3	

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1 sp2 sp3 sp4				
EDAF90	7.5	G2	V		4	4	X	S	Web Programming		KS KE U T				3	
EDAF75	7.5	G2	V		4	4	X	S	Database Technology		KS KE U W T				3	4
EDAF05	5	G2	V		4	4	X	E1	Algorithms, Data Structures and Complexity		KS KE U W T					4
EDAN40	7.5	A	V		4	4	X	E	Functional Programming		KS KE U W T					4
VGMEF10	7.5	G2	V		4	4	X	E1	Geodesy		KS KE U W T					4
EMAN20	7.5	A	V		5	5	X	E1	Image Analysis		KS KE U W T	1				
MAMN25	7.5	A	V		5	5	-	S	Interaction Design		KS KE U W T	1				

Course Code	Credits	Cycle	Mand./ Elect.		Language			Course Name	Footnote	Links				
			Year	From year	S.Ex.	stud.	sp1				sp2	sp3	sp4	
EDAF60	4.5	G2	V	5	5	-	S	Object-oriented Modelling and Design		KS KE U W T	1			
EXTP40	7.5	A	V	5	5	X	E	GIT Project with Python Programming	X	KS KE U W T		2		
EDAA25	3	G1	V	5	4	X	S	C Programming		KS KE U W T				4
EDAN35	7.5	A	V	5	5	X	E	High Performance Computer Graphics	X	KS KE U W T	Course on hold			

[EXTQ05](#) Algorithms in Geographical Information Systems: *The date and time of the exam is announced by the course lecturer.*

[EXTN10](#) Web GIS: *The date and time of the exam is announced by the course lecturer.*

[EXTN70](#) Geographical Databases: *The date and time of the exam is announced by the course lecturer.*

[EXTN75](#) Spatial Analysis: *The date and time of the exam is announced by the course lecturer.*

[EXTP40](#) GIT Project with Python Programming: *The date and time of the exam is announced by the course lecturer.*

[EDAN35](#) High Performance Computer Graphics: *The course is cancelled in the academic year 2019/20 but is planned to be given in 2020/2021.*

Elective Courses - L

Course Code	Credits	Cycle		Language			Course Name	Footnote	Links			
		Year	From year	S.Ex. stud.	sp1	sp2			sp3	sp4		
IYT000	15	G2	4	3	-	S	Engineering Training Course	KS KE U W	1			
IYT000										2		
VTFE01	7.5	G2	4	4	-	S	Traffic Engineering	KS KE U W T		2		
IYT000	15	G2	4	3	-	S	Engineering Training Course	KS KE U W				3
IYT000												4
VFTN25	7.5	A	4	4	-	S	Seminars in Real Estate Science	KS KE U W T				4

Externally Elective Courses - L

Course Code	Credits	Cycle	Language			S.Ex. stud.	Course Name	Footnote	Links	sp1 sp2 sp3 sp4			
			Year	From year									
GEMA20	7.5	G1	4	1	-	E	English for Engineers	X	KS KE U W T	1	2		
GEMA25	7.5	G1	4	1	-	S	German for Engineers	X	KS KE U W T	1	2		
GEMA70	15	G1	4	1	-	S	Japanese for Engineers	X	KS KE U W T	1	2		
GEMA65	7.5	G1	4	1	-	S	Chinese for Engineers	X	KS KE U W T			3	4
GEMA20	7.5	G1	4	1	-	E	English for Engineers	X	KS KE U W T			3	4
GEMA01	7.5	G1	4	1	-	S	French for Engineers: Language, Culture and Society, First Course	X	KS KE U W T			3	4

[GEMA20](#) English for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*

[GEMA25](#) German for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*

[GEMA70](#) Japanese for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*

[GEMA65](#) Chinese for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*

[GEMA01](#) French for Engineers: Language, Culture and Society, First Course: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*

Bachelor's Projects - L

The list contains the bachelor's projects that are included in the L programme.

Links

Course Code	Credits	Course Name	Links
VBEL01	15	Bachelor Project in Construction Management	KS KE U W
VGML01	15	Bachelor Project in Geodetic Surveying	KS KE U
EXTL01	15	Bachelor Project in Geographic Information Technology	KS KE U W
VFTL01	15	Bachelor Project in Real Estate Science	KS KE U
ASBL01	15	Bachelor Project in Urban Planning and Design	KS KE U

Degree Projects - L

The list contains the degree project courses that are included in the L programme.

Links

Course Code	Credits	Course Name	Links
VBEM01	30	Degree Project in Construction Management	KS KE U W
VGMM01	30	Degree Project in Geodetic Surveying	KS KE U
EXTM05	30	Degree Project in Geographic Information Technology	KS KE U W
VFTM01	30	Degree Project in Real Estate Science	KS KE U W
ASBM05	30	Degree Project in Urban Planning and Design	KS KE U