

# Civil Engineering

## Study Year 1, Academic Year 2011/12 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	11/12 sp4
<a href="#">VTGA01</a>	4	G1	-	S	Engineering Geology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">EMAA05</a>	15	G1	-	S	Calculus in One Variable		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VTVA10</a>	4	G1	-	S	Engineering Skills with CAD		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">FAFA45</a>	7.5	G1	-	S	Thermodynamics with Applications		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBM012</a>	6	G1	-	S	Building Materials		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">EMA420</a>	6	G1	-	S	Linear Algebra		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBFA01</a>	10	G1	-	S	Building Technology and Building Services		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VSM010</a>	7.5	G1	-	S	Mechanics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1

## Study Year 2, Academic Year 2012/13 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	12/13	12/13	12/13	12/13
								sp1	sp2	sp3	sp4
<a href="#">FMA430</a>	6	G1	-	S	Calculus in Several Variables		<a href="#">KS KE U W T</a>	1			
<a href="#">FMI031</a>	6	G2	-	S	Environmental Science, Especially Environmental Chemistry		<a href="#">KS KE U W T</a>	1			
<a href="#">MIO012</a>	6	G1	-	S	Managerial Economics, Basic Course		<a href="#">KS KE U W T</a>	1			
<a href="#">VSMA05</a>	8	G1	-	S	Structural Mechanics		<a href="#">KS KE U W T</a>		2		
<a href="#">FMN140</a>	6	G2	-	S	Scientific Computing		<a href="#">KS KE U W T</a>		2	3	
<a href="#">VBEA10</a>	5	G1	-	S	The Construction Process		<a href="#">KS KE U W T</a>			3	
<a href="#">VBK013</a>	9	G2	-	S	Structural Engineering, Basic Course		<a href="#">KS KE U W T</a>			3	4

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links			
							12/13 sp1	12/13 sp2	12/13 sp3	12/13 sp4
<a href="#">VVR145</a>	9	G1	-	E2	Water	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">VVAE01</a>	5	G2	-	S	Water and Wastewater Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4

**Study Year 3, Academic Year 2013/14 (Mandatory Courses)**

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14	13/14	13/14	13/14
								sp1	sp2	sp3	sp4
<a href="#">VGME15</a>	5	G2	-	S	Geodetic Surveying		<a href="#">KS KE U W T</a>	1			
<a href="#">VVBF20</a>	5	G2	-	S	Road Construction		<a href="#">KS KE U W T</a>	1			
<a href="#">VGTF05</a>	5	G2	-	S	Soil Mechanics		<a href="#">KS KE U W T</a>	1			
<a href="#">EMS032</a>	7.5	G2	-	S	Mathematical Statistics, Basic Course		<a href="#">KS KE U W T</a>		2		
<a href="#">VTTF01</a>	7.5	G2	-	S	Traffic Engineering		<a href="#">KS KE U W T</a>		2		

**Study Year 3, Academic Year 2013/14 (Elective Mandatory Courses)**

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links			
							13/14 sp1	13/14 sp2	13/14 sp3	13/14 sp4
<a href="#">VVBF10</a>	7.5	G2	-	S	Economics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">VSME05</a>	7.5	G2	-	S	Engineering Modelling: Analysis of Structures	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">VBEF01</a>	7.5	G2	-	S	Project Management	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">VTAF01</a>	7.5	G2	-	S	Sound in Building and Environment	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">VBMF05</a>	7.5	G2	-	S	Building Material Science	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">VTGF01</a>	7.5	G2	-	S	Rock Mechanics and Construction	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">VBKF01</a>	7.5	G2	-	S	Structural Engineering - Building Systems	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links				
							13/14 sp1	13/14 sp2	13/14 sp3	13/14 sp4	
<a href="#">ASBF10</a>	7.5	G2	-	S	Sustainable Urban Design		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">T</a>	4

**Specialisation at - Infrastructure Engineering**

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language		Course Name	Footnote	Links	
													sp4
<a href="#">VTVN01</a>	7.5	A	V		4 - 14/15	4	-	S		Highway Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VSMN25</a>	7.5	A	V		4 - 14/15	4	X	E1		The Finite Element Method - Flow Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VBKN05</a>	7.5	A	V		4 - 14/15	4	X	E1		Concrete Structures		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VTG021</a>	7.5	G2	V		4 - 14/15	4	X	E		Groundwater Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VTVF85</a>	7.5	G2	V		4 - 14/15	4	-	S		Railway Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VSMN30</a>	7.5	A	V		4 - 14/15	4	X	E1		The Finite Element Method - Structural Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBMN10</a>	7.5	A	V		4 - 14/15	4	-	S		Concrete in a Life-cycle Perspective		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VVBN10</a>	7.5	A	V		4 - 14/15	4	-	S		Pavement Design and Construction		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VGTF01</a>	7.5	G2	V		4 - 14/15	4	-	S		Foundation Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VGMF10</a>	7.5	G2	V		4 - 14/15	4	-	S		Geodesy		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VVBN05</a>	7.5	A	V		5 - 15/16	5	-	S		Highway Maintenance		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VBK041</a>	7.5	A	V		5 - 15/16	5	X	E1		Design of Bridges		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VBKN10</a>	7.5	A	V		5 - 15/16	5	X	E1		Risk Management in Construction Technology Applications		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VTGN01</a>	7.5	A	V		5 - 15/16	4	X	E1		Field Investigation Methodology	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	Course on hold

[VTGN01](#) Field Investigation Methodology: *The course is offered every other academic year and will be given in 2016/17, 2018/19.*

## Specialisation bf - Construction Management

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
<a href="#">VBFF01</a>	7.5	G2	V		4 - 14/15	4	-	S	Energy Efficiency and Indoor Environment		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VBFF15</a>	7.5	G2	V		4 - 14/15	4	-	S	Technique for Construction Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">MTTN01</a>	7.5	A	V		4 - 14/15	4	-	S	Logistics in the Building Process		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBFF10</a>	7.5	G2	V		4 - 14/15	4	-	S	Real Estate Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBFN05</a>	7.5	A	V		4 - 14/15	4	-	S	Energy, Air Movements and Moisture at Rebuilding and Administration		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VVBN10</a>	7.5	A	V		4 - 14/15	4	-	S	Pavement Design and Construction		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBFN10</a>	7.5	A	V		4 - 14/15	4	-	S	Design concerning Energy, Air Movements and Moisture in New Buildings		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBEN01</a>	7.5	A	V		4 - 14/15	4	-	S	The Role of the Construction Client		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBEN20</a>	7.5	A	V		5 - 15/16	4	-	S	Construction Innovation Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VVBN05</a>	7.5	A	V		5 - 15/16	5	-	S	Highway Maintenance		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VBEN15</a>	7.5	A	V		5 - 15/16	5	-	S	Construction Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VFR120</a>	7.5	A	V		5 - 15/16	5	-	S	Real Estate Finance		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBMN05</a>	7.5	A	V		5 - 15/16	4	-	S	Moisture Safety in the Building Process	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	Course on hold



[VBEN20](#) Construction Innovation Systems: *The course is offered every other academic year and will be given in 2015/16, 2017/18.*

[VBMN05](#) Moisture Safety in the Building Process: *The course is offered every other academic year and will be given in 2016/17, 2018/19.*

## **Specialisation hb - Building Technology**

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
<a href="#">VBFF01</a>	7.5	G2	V		4 - 14/15	4	-	S	Energy Efficiency and Indoor Environment		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VBFF15</a>	7.5	G2	V		4 - 14/15	4	-	S	Technique for Construction Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VTAF05</a>	7.5	G2	V		4 - 14/15	4	X	E1	Acoustics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBKN05</a>	7.5	A	V		4 - 14/15	4	X	E1	Concrete Structures		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBEN05</a>	7.5	A	V		4 - 14/15	4	-	S	Energy, Air Movements and Moisture at Rebuilding and Administration		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBKN01</a>	7.5	A	V		4 - 14/15	4	-	S	Steel and Timber Structures		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBFN10</a>	7.5	A	V		4 - 14/15	4	-	S	Design concerning Energy, Air Movements and Moisture in New Buildings		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VGTF01</a>	7.5	G2	V		4 - 14/15	4	-	S	Foundation Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBEN20</a>	7.5	A	V		5 - 15/16	4	-	S	Construction Innovation Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VBFN01</a>	7.5	A	V		5 - 15/16	5	-	S	Sustainable Building Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VBEN15</a>	7.5	A	V		5 - 15/16	5	-	S	Construction Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBKN10</a>	7.5	A	V		5 - 15/16	5	X	E1	Risk Management in Construction Technology Applications		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBMN05</a>	7.5	A	V		5 - 15/16	4	-	S	Moisture Safety in the Building Process	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	Course on hold

[VBEN20](#) Construction Innovation Systems: *The course is offered every other academic year and will be given in 2015/16, 2017/18.*

[VBMN05](#) Moisture Safety in the Building Process: *The course is offered every other academic year and will be given in 2016/17, 2018/19.*

## **Specialisation ko - Structural Analysis and Design**

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
<a href="#">VSMN35</a>	7.5	A	V	4 - 14/15	4	-	S	Beam Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VSMN25</a>	7.5	A	V	4 - 14/15	4	X	E1	The Finite Element Method - Flow Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VBKN05</a>	7.5	A	V	4 - 14/15	4	X	E1	Concrete Structures		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VSMN30</a>	7.5	A	V	4 - 14/15	4	X	E1	The Finite Element Method - Structural Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBMN10</a>	7.5	A	V	4 - 14/15	4	-	S	Concrete in a Life-cycle Perspective		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VBKN01</a>	7.5	A	V	4 - 14/15	4	-	S	Steel and Timber Structures		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VSMN10</a>	7.5	A	V	4 - 14/15	4	X	E1	Structural Dynamic Computing		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VSMN15</a>	7.5	A	V	4 - 14/15	4	X	E1	Integrated Design: Structural Design – Architectural Design	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VGTF01</a>	7.5	G2	V	4 - 14/15	4	-	S	Foundation Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VSMN20</a>	7.5	A	V	4 - 14/15	4	-	S	Software Development for Technical Applications		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">FHLN05</a>	7.5	A	V	5 - 15/16	5	-	S	Computational Inelasticity		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VBK041</a>	7.5	A	V	5 - 15/16	5	X	E1	Design of Bridges		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VTAF05</a>	7.5	G2	V	5 - 15/16	4	X	E1	Acoustics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">FHL066</a>	7.5	A	V	5 - 15/16	5	X	S	Finite Element Method for Non-linear Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	

[VSMN15](#) Integrated Design: Structural Design – Architectural Design: *The date and time of the exam is announced by the course lecturer.*

## Specialisation tv - Road and Traffic Engineering

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
<a href="#">VTVN01</a>	7.5	A	V		4 - 14/15	4	-	S	Highway Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VTTE05</a>	7.5	G2	V		4 - 14/15	4	-	S	Traffic Engineering Theory: Accessibility, Level of service, Safety and Environment		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VTTE10</a>	7.5	G2	V		4 - 14/15	4	-	S	Effects of Traffic: Accessibility, Level of Service, Safety and Environment		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VTVF85</a>	7.5	G2	V		4 - 14/15	4	-	S	Railway Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VVBN10</a>	7.5	A	V		4 - 14/15	4	-	S	Pavement Design and Construction		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">ASBF20</a>	7.5	G2	V		4 - 14/15	4	-	S	Urban Planning		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>	
<a href="#">VGMF10</a>	7.5	G2	V		4 - 14/15	4	-	S	Geodesy		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VTTN10</a>	7.5	A	V		4 - 14/15	4	X	S	Public Transport		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VVBN05</a>	7.5	A	V		5 - 15/16	5	-	S	Highway Maintenance		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">ASB060</a>	7.5	A	V		5 - 15/16	5	X	E1	Urban Renewal		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>	1
<a href="#">VTTN01</a>	15	A	V		5 - 15/16	5	-	S	Urban Traffic and Road Project		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VTTN05</a>	7.5	A	V		5 - 15/16	5	X	E	Transport Management	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	

[VTIN05](#) Transport Management: *The course is offered every other academic year and will be given 2015/16, 2017/18.*

## **Specialisation vr - Water Resources**

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
<a href="#">VVRF01</a>	7.5	G2	V	4 - 14/15	4	X	E	Integrated Water Resources Management: International Aspects		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VVA030</a>	15	A	V	4 - 14/15	4	X	E	Urban Waters		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VTG021</a>	7.5	G2	V	4 - 14/15	4	X	E	Groundwater Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VTGN05</a>	7.5	A	V	4 - 14/15	4	X	E	Groundwater Modelling and Contaminant Transport		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VVAN01</a>	7.5	A	V	4 - 14/15	4	X	E	Decentralized Water and Wastewater Treatment		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VVR090</a>	7.5	A	V	4 - 14/15	4	X	E	Hydromechanics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">EXTF01</a>	7.5	G2	V	4 - 14/15	4	X	E1	Geographical Information Systems for Landscape Studies	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VVRN20</a>	7.5	A	V	4 - 14/15	4	X	E	Water, Society and Climate Change		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VVR176</a>	7.5	A	V	5 - 15/16	5	X	E	Environmental Hydraulics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VVRN10</a>	7.5	A	V	5 - 15/16	5	X	E	Rainfall Runoff Modelling		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VSMN25</a>	7.5	A	V	5 - 15/16	5	X	E1	The Finite Element Method - Flow Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VVR040</a>	7.5	A	V	5 - 15/16	4	X	E	Coastal Hydraulics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">VVRN25</a>	7.5	A	V	5 - 15/16	4	X	E	Pipe System Engineering and Hydraulics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	

[EXTF01](#) Geographical Information Systems for Landscape Studies: *The date and time of the exam is announced by the course lecturer.*

## **Elective Courses - V**



Course Code	Credits	Cycle		Language			Course Name	Footnote	Links	
		Year	From year	S.Ex. stud.						sp4
<a href="#">GEMA20</a>	7.5	G1	4 - 14/15	1	-	E	English for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">FMI055</a>	7.5	A	4 - 14/15	4	-	S	Environmental Systems Studies: Life Cycle Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">GEMA25</a>	7.5	G1	4 - 14/15	1	-	S	German for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">GEMA60</a>	7.5	G1	4 - 14/15	1	-	S	Law for Engineers, Introductory Course in Business Law	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">GEMA70</a>	15	G1	4 - 14/15	1	-	S	Japanese for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1
<a href="#">VBKF05</a>	7.5	G2	4 - 14/15	4	-	S	CAD with Building Applications		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">GEMA65</a>	7.5	G1	4 - 14/15	1	-	S	Chinese for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>	
<a href="#">GEMA20</a>	7.5	G1	4 - 14/15	1	-	E	English for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">GEMA40</a>	7.5	G1	4 - 14/15	1	-	S	Entrepreneurship and Business Development	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">GEMA01</a>	7.5	G1	4 - 14/15	1	-	S	French for Engineers: Language, Culture and Society, First Course	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">GEMA60</a>	7.5	G1	4 - 14/15	1	-	S	Law for Engineers, Introductory Course in Business Law	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">GEMA55</a>	6	G1	4 - 14/15	1	-	S	Medicine for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	Course on hold
<a href="#">GEMA45</a>	3	G1	4 - 14/15	1	-	S	Teaching and Learning	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	Course on hold

[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.*

[GEMA60](#) Law for Engineers, Introductory Course in Business Law: *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.*

[GEMA40](#) Entrepreneurship and Business Development: *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.*

[GEMA55](#) Medicine for Engineers: *The course is offered every other academic year and will next be offered in 2015/16. 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.*

[GEMA45](#) Teaching and Learning: *The course is offered every other academic year and will next be offered in 2015/16. 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 - V

The list contains the bachelor's projects that are included in the V programme. The list is not necessarily complete before the academic year 2016/17.

### Links

Course Code	Credits	Course Name	Links
VBML01	15	Bachelor Project in Building Materials	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VBFL01	15	Bachelor Project in Building Physics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
ABKL01	15	Bachelor Project in Building Services	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VBEL01	15	Bachelor Project in Construction Management	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
AEBL01	15	Bachelor Project in Energy and Building Design	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VTAL01	15	Bachelor Project in Engineering Acoustics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VTGL01	15	Bachelor Project in Engineering Geology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
MTTL01	15	Bachelor Project in Engineering Logistics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
FMIL01	15	Bachelor Project in Environmental Studies	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VGML01	15	Bachelor Project in Geodetic Surveying	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VGTL01	15	Bachelor Project in Geotechnical Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VVBL01	15	Bachelor Project in Road Construction	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VBKL01	15	Bachelor Project in Structural Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VSML01	15	Bachelor Project in Structural Mechanics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VTTL01	15	Bachelor Project in Traffic Planning and Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
ASBL01	15	Bachelor Project in Urban Planning and Design	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VVAL01	15	Bachelor Project in Water and Environmental Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VVRL01	15	Bachelor Project in Water Resources Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>

## Degree Projects - V

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

### Links

Course Code	Credits	Course Name	Links
VBM820	30	Degree Project in Building Materials for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VBF820	30	Degree Project in Building Physics for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
ABK920	30	Degree Project in Building Services	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VBEM01	30	Degree Project in Construction Management	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
AEB820	30	Degree Project in Energy and Building Design	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VTA820	30	Degree Project in Engineering Acoustics for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VTG820	30	Degree Project in Engineering Geology for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
MTT820	30	Degree Project in Engineering Logistics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
FMI820	30	Degree Project in Environmental Studies	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VGM820	30	Degree Project in Geodetic Surveying for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VGTM01	30	Degree Project in Geotechnical Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VVB820	30	Degree Project in Road Construction for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VBK920	30	Degree Project in Structural Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VSM820	30	Degree Project in Structural Mechanics for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VTT820	30	Degree Project in Traffic Planning and Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
ASBM05	30	Degree Project in Urban Planning and Design	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VVA820	30	Degree Project in Water and Environmental Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VVR820	30	Degree Project in Water Resources Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>