

DEGREE REQUIREMENTS AND CURRICULUM FOR ACADEMIC YEAR

DEGREE PROGRAMME IN CIVIL AND CONSTRUCTION ENGINEERING

Specialisation of Building Construction Engineering and Production

Unit of Technology/Lappeenranta, valid for the students enrolled in 2008

STUDY MODULE		Academic year/Scope, cr.				*) FI/EN
		1.	2.	3.	4.	
BASIC STUDIES						50 cr
000078	CORE STUDIES OF POLYTECHNIC					11 cr
	KPE0042 Orientation Studies	2	-	-	-	FI
	KSU0036 Finnish Communication at Work	3	-	-	-	FI
	KRU0042 Swedish Communication at Work	3	-	-	-	FI
	KEN0076 English Communication at Work	-	3	-	-	FI
000028	COMMUNICATION					7 cr
	KSU0041 Finnish Communication for Technology	-	4	-	-	FI
	KEN0079 English for Technology	-	-	3	-	FI
000010	MATHEMATICS					11 cr
	KMA0071 Mathematics I	3	-	-	-	FI
	KMA0067 Mathematics II	3	-	-	-	FI
	KMA0087 Mathematics III	-	5	-	-	FI
000012	PHYSICS					12 cr
	KFK0047 Physics I	4	-	-	-	FI
	KFK0029 Physics III	-	3	-	-	FI
	KFK0050 Building Physics	-	5	-	-	FI
000013	CHEMISTRY					3 cr
	KFK0027 Building Chemistry	-	3	-	-	FI
000014	INFORMATION TECHNOLOGY					6 cr
	KTI0029 Information Technology I	3	-	-	-	FI
	KTE0044 CAD I R	3	-	-	-	FI
PROFESSIONAL STUDIES						130 cr
209401	STRUCTURAL MECHANICS					11 cr
	KTE0608 Statics R	3	-	-	-	FI
	KTE0121 Statically Determinated Structures	3	-	-	-	FI
	KTE1216 Structural Mechanics I	-	5	-	-	FI
209404	CONSTRUCTION ECONOMICS					12 cr
	KTE0049 Fundamentals of Construction Economy	3	-	-	-	FI
	KTE1503 Basics of Cost Evaluation Methods	-	3	-	-	FI
	KTE1078 Construction Management	-	-	-	3	FI
	KLI0975 Industrial Economics I	-	3	-	-	FI
209405	GEOTECHNICS AND FOUNDATION ENGINEERING					9 cr
	KTE1219 Geotechnics	-	4	-	-	FI
	KTE1220 Foundation Engineering Structures	-	-	5	-	FI

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Code	Course	1.	2.	3.	4.	FI/EN
209406	STRUCTURAL ENGINEERING	27 cr				
KTE1246	Fundamentals of Construction Planning	-	3	-	-	FI
KTE1546	Concrete Materials	5	-	-	-	FI
KTE1545	Concrete Technology	3	-	-	-	FI
KTE1544	Fundamentals of Concrete Structures	-	5	-	-	FI
KTE1507	Fundamentals of Timber Structures	-	4	-	-	FI
KTE1511	Fundamentals of Structural Steelwork	-	-	4	-	FI
KTE0265	Masonry Structures	-	-	3	-	FI
209408	BUILDING CONSTRUCTION	17 cr				
KTE1222	Building Construction I	4	-	-	-	FI
KTE1253	Building Construction II	-	4	-	-	FI
KTE0185	Renovation I	-	-	-	3	FI
KTE1160	Installations and Technical Equipment of Houses	-	-	3	-	FI
KTE0144	Construction Planning I	-	-	-	3	FI
209409	BUILDING PRODUCTION ENGINEERING	45 cr				
KTE0325	Production Technology of Building Construction	3	-	-	-	FI
KTE1255	Construction Measurement	-	3	-	-	FI
KTE0847	Site Technologies	-	3	-	-	FI
KTE1505	Health in Work and Labour Law	-	3	-	-	FI
KTE1509	Planning of production	-	-	-	3	FI
KTE1256	Project Learning in Enterprises	-	-	30	-	FI
209451	INFRASTRUCTURE ENGINEERING	3 cr				
KTE1506	Fundamentals of Land-use Planning and Streets	-	-	-	3	FI
209452	ELECTIVE PROFESSIONAL STUDIES OF BUILDING CONSTRUCTION ENGINEERING AND PRODUCTION	6 cr				
	Alternative courses (HOPS)					
	Basics in Civil Engineering in Russia					
	Construction Planning II					
	3D-Models					
	Special Course of Renovation and Construction					
	Building Management					
ELECTIVE STUDIES		15 cr	4	-	-	11
PLACEMENT		30 cr	8	7	8	7
BACHELOR'S THESIS		15 cr	-	-	-	15
TOTAL		240 cr	60	70	56	54

*) FI = in Finnish, EN = in English