

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 August 2006

STUDY MODULE		Academic year/scope, cr				*)
Code	Course	1.	2.	3.	4.	FI/EN
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
BASIC STUDIES OF SPECIALISATION		39 CR				
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
KFK0018	Physics II	-	3	-	-	FI
KFK0050	Building Physics	-	5	-	-	FI
000013	CHEMISTRY	3 cr				
KFK0027	Building Chemistry	-	3	-	-	FI
000014	INFORMATION TECHNOLOGY	6 cr				
KTI0001	Information Technology I	3	-	-	-	FI
KTE0044	CAD I (Construction Engineering)	3	-	-	-	FI
PROFESSIONAL SPECIALISATION STUDIES		65 CR				
209401	STRUCTURAL MECHANICS	11 cr				
KTE0608	Statics (Construction Engineering)	3	-	-	-	FI
KTE0121	Statically Determinated Structures	3	-	-	-	FI
KTE1216	Structural Mechanics I	-	5	-	-	FI
209406	STRUCTURAL ENGINEERING	24 cr				
KTE1246	Fundamentals of Construction Planning	-	3	-	-	FI
KTE0129	Concrete Materials	3	-	-	-	FI
KTE0130	Concrete Technology	3	-	-	-	FI
KTE0131	Concrete Structures I	-	3	-	-	FI
KTE1247	Masonry and Stone Structures	-	3	-	-	FI
KTE0133	Wood Structures I	-	3	-	-	FI
KTE0146	Structural Steelwork I	-	-	3	-	FI
KTE0911	Manufacturing Engineering for Wood Structures	-	-	-	3	FI

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 August 2006

STUDY MODULE			Academic year/scope, cr				*)
Code	Course		1.	2.	3.	4.	FI/EN
209404	CONSTRUCTION ECONOMICS	16 cr					
KTE1249	Project Management in Construction engineering		2	1	-	-	FI
KTE1250	Management and Labour Law		-	-	3	2	FI
KTE1251	Basics of Cost Evaluation Methods		-	3	-	-	FI
KTE1252	Cost Management		-	-	3	2	FI
209408	BUILDING CONSTRUCTION	17 cr					
KTE1222	Building Construction I		4	-	-	-	FI
KTE1253	Building Construction II		-	4	-	-	FI
KTE0144	Construction Planning I		-	-	3	-	FI
KTE0185	Renovation and Construction Work I		-	-	-	3	FI
KTE1160	Installations and Technical Equipment of Houses		-	-	3	-	FI
209409	BUILDING PRODUCTION ENGINEERING	44 cr					
KTE0325	Production Technology for Construction Engineering		3	-	-	-	FI
KTE0166	Site Technologies I		-	3	-	-	FI
KTE1254	Site Technologies II		-	-	5	-	FI
KTE1255	Construction Measurement		-	3	-	-	FI
KTE1256	Project Learning in Enterprises		-	-	30	-	FI
209411	EARTHWORKS AND MINING TECHNOLOGY	13 cr					
KTE1219	Geotechnology		-	4	-	-	FI
KTE1220	Foundation Engineering		-	-	5	-	FI
KTE1430	Community Infrastructure Engineering		-	3	-	-	FI
209443	ELECTIVE PROFESSIONAL STUDIES OF BUILDING CONSTRUCTION ENGINEERING AND PRODUCTION	6 CR	-	-	-	6	FI
	Alternative courses (HOPS)						
	Industrial Psychology						
	Renovation and Construction Work						
	Basics of Civil Engineering in Russia						
	International Studies						
	Mathematics IV						
ELECTIVE STUDIES		15 cr	4	3	0	8	
PRACTICAL TRAINING		30 cr	8	7	8	7	
BACHELOR'S THESIS		15 cr	-	-	-	15	
TOTAL		240 cr					

*) FI = in Finnish, EN = in English