

DEGREE REQUIREMENTS AND CURRICULUM FOR ACADEMIC YEAR

DEGREE PROGRAMME IN CONSTRUCTION MANAGEMENT

Center of Continuing Education and Development Services/Lappeenranta, valid for the students enrolled in 2008

STUDY MODULE		Academic year/Scope, cr.				*) FI/EN
		1.	2.	3.	4.	
BASIC STUDIES						38 cr
000082	BASIC STUDIES OF CONSTRUCTION MANAGEMENT					38 cr
	KTE1570 Skills of Student in the Polytechnic	3	-	-	-	FI
	KTE1571 Finnish Communication and Customer Service at Worl	3	-	-	-	FI
	KRU0042 Swedish Communication at Work	-	-	3	-	FI
	KEN0076 English Communication at Work	-	3	-	-	FI
	KEN0079 English for Technology	-	3	-	-	FI
	KTE1579 Mathematics for Construction Management I	4	-	-	-	FI
	KTE1580 Mathematics for Construction Management II	-	4	-	-	FI
	KTE1581 Basics of the Physics of Construction Engineering	3	-	-	-	FI
	KTE1582 Fundamentals of Building Chemistry	-	3	-	-	FI
	KTE1588 Basic Computer Use	3	-	-	-	FI
	KTE0044 CAD I	3	-	-	-	FI
	KTE0163 Building Materials	3	-	-	-	FI
PROFESSIONAL STUDIES						122 cr
209454	BASIC STUDIES OF CONSTRUCTION MANAGEMENT					6 cr
	KTE0182 Building Construction I	3	-	-	-	FI
	KTE1584 Law and Licencing in Construction Sector	-	-	-	3	FI
209455	STRUCTURAL MECHANICS AND CONSTRUCTION					23 cr
	KTE0429 Physics for Construction Engineering	-	-	3	-	FI
	KTE1585 Structural Mechanics	-	3	-	-	FI
	KTE0317 Statics	3	-	-	-	FI
	KTE0158 Strength of Materials	-	3	-	-	FI
	KTE1604 Concrete Structures	5	-	-	-	FI
	KTE1572 Reinforced Concrete Structures	-	3	-	-	FI
	KTE0135 Steel Structures	-	-	-	3	FI
209456	EARTH WORKS, FOUNDATION ENGINEERING AND INFRASTRUCTURE ENGINEERING					39 cr
	KTE0126 Geotechnics	-	3	-	-	FI
	KTE1651 Geology and Soil Investigations	3	3	-	-	FI
	KTE1597 Foundation Engineering Structures	-	-	3	-	FI
	KTE0569 Environmental Technology	-	-	-	3	FI
	KTE1652 Earthwork Technology	3	3	-	-	FI
	KTE1653 Blasting Technology	-	3	3	-	FI
	KTE0171 Production of Rock Structures	-	-	-	3	FI
	KTE1654 Road Engineering	-	3	3	-	FI
	KTE1655 Municipal Engineering	-	-	3	-	FI

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				1.	2.	3.	4.	
209457	LAW AND MANAGEMENT		9 cr					
	KTE1595	Contract Law		-	-	-	3	FI
	KTE1656	Labour Law		-	3	-	-	FI
	KTE1657	Leadership and Management Skills		-	-	3	-	FI
209458	PRODUCTION ENGINEERING		27 cr					
	KTE1589	Project Scheduling, Driving and Control		-	3	-	-	FI
	KTE1574	Production Planning, Driving and Control		-	-	3	-	FI
	KTE1601	Project Management		-	-	3	-	FI
	KTE1575	Health in Work		3	-	-	-	FI
	KTE1576	Management of Conditions and Quality at Work		-	-	3	-	FI
	KTE1658	Machinery and Logistics		-	-	6	-	FI
	KTE1659	Surveying in Infrastructure Production		3	3	-	-	FI
209459	PROJECT ECONOMY AND CONTROL OF COSTS		18 cr					
	KTE1587	Project and the Concepts of Economy		3	-	-	-	FI
	KTE1602	Cost Estimation of Project		-	3	-	-	FI
	KTE1577	Cost Estimation of Production		-	-	3	-	FI
	KTE1578	Driving and Control of Costs at Construction Site		-	-	-	3	FI
	KTE1292	Purchasing Management		-	-	3	-	FI
	KTE1592	Computer Based Calculation of Costs		-	-	3	-	FI
ELECTIVE STUDIES			10 cr					
PLACEMENT			30 cr					
BACHELOR'S THESIS			10 cr					
TOTAL			210 cr					

*) FI = in Finnish, EN = in English