DEGREE REQUIREMENTS AND CURRICULUM FOR ACADEMIC YEAR

DEGREE PROGRAMME IN MECHANICAL ENGINEERING AND PRODUCTION TECHNOLOGY
Unit of Technology/Lappeenranta, valid for the Students enrolled in 2006

STUDY MODULE Code	Lessons Credits / Semester Study Modules / Semester		35 cr **1**	32 cr **2**	31 cr **3**	31 cr **4**	27 cr **5**	3 cr **6**	0 cr **7**	6 cr **8**
000073	MATHEMATICS AND PHYSICS	21 cr								
KMA0090	Mathematics - A		6	-	-	-	-	-	-	-
KMA0091	Mathematics - B		-	4	-	-	-	-	-	-
KMA0092	Mathematics - C		-	-	3	-	-	-	-	-
KMA0093	Mathematics - D		-	-	-	3	-	-	-	-
KFK0049	Physics - A		5	-	-	-	-	-	-	-
000074	COMMUNICATION AND LANGUAGES	15 cr								
KSU0039	Finnish Culture and Language 1 [1)]		3	-	-	-	-	-	-	-
KRU0049	Swedish Communication at Work [2)]		3	-	-	-	-	-	-	-
KSU0040	Finnish Culture and Language 2 [1)]		-	3	-	-	-	-	-	-
KEN0073	English for Technical Documentation		-	-	3	-	-	-	-	-
KTE1335	Intercultural Communication		-	-	-	-	3	-	-	-
KEN0087	English for Mechanical Engineering		-	-	-	-	-	3	-	-
	1) Foreign Students 2) Finnish Students									
207238	MECHANICAL ENGINEERING	36 cr								
KTE0942	Design and Planning Software		3	-	-	-	-	-	-	-
KTE0952	Materials		3	-	-	-	-	-	-	-
KTE1383	Mechanical Drawing and CAD		3	-	-	-	-	-	-	-
KTE0956	Manufacturing, Basics		3	-	-	-	-	-	-	-
KTE1380	Statics		-	6	-	-	-	-	-	-
KTE1051	3D - Modelling		-	-	3	-	-	-	-	-
KTE1344	Strength of Materials		-	-	-	6	-	-	-	-
KTE0932	Dynamics		-	-	-	3	-	-	-	-
KTE1382	Machine Elements		-	-	-	3	-	-	-	-
KTE1345	Transmission Elements		-	-	-	-	3	-	-	-
207250	MACHINE AUTOMATION	33 cr								
KTE0967	Sensors		3	-	-	-	-	-	-	-
KTE1336	Pneumatics		-	3	-	-	-	-	-	-
KTE1340	Electronics and Digital Technology		-	3	-	-	-	-	-	-
KTE1384	Programmable Logic Controllers		-	3	-	-	-	-	-	-
KTE0965	Robotics		-	-	3	-	-	-	-	-
KTE1369	Hydraulics		-	-	3	-	-	-	-	-
KTE1341	Device- and Control Technology		-	-	-	3	-	-	-	-
KTE1342	Mobile Hydraulics		-	-	-	-	3	-	-	-
KTE0961	Machine Vision Systems		-	-	-	-	3	-	-	-
KTE0458	Fuzzy Logic		-	-	-	-	3	-	-	-
KTE1343	Automation Project		-	-	-	-	-	-	-	3

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207247	MEASUREMENT AND DATA LOGGING	19 cr								
KTE1346	Measurement, Basics		-	-	3	-	-	-	-	-
KTE1347	Quality and Measuring Analysis		-	-	-	4	-	-	-	-
KTE1348	3D - Measuring Technology		-	-	-	3	-	-	-	-
KTE1349	Experimental Measuring Technique		-	-	-	-	3	-	-	-
KTE1350	Laboratory Measurements		-	-	-	-	3	-	-	-
KTE1351	Measuring and Data Logging Projects		-	-	-	-	-	-	-	3
207248	IT, DATA TRASFER AND PROGRAMMING	26 cr								
KTE1352	IT, Basics		3	-	-	-	-	-	-	-
KTE1353	Programming Basics		-	4	-	-	-	-	-	-
KTE0944	Data Transfer Technology		-	3	-	-	-	-	-	-
KTE1354	3D Virtual Models and Animations		-	-	3	-	-	-	-	-
KTE1355	Wireless Communication		-	-	3	-	-	-	-	-
KTE1356	Database Systems		-	-	4	-	-	-	-	-
KTE1385	WWW - Programming		-	-	-	3	-	-	-	-
KTE1357	OOP and Java Programming		-	-	-	-	3	-	-	-
207249	ENTREPRENEUERSHIP AND PROJECT WORK	12 cr								
KTE1358	Project Work Basics		-	3	-	-	-	-	-	-
KTE1359	Accounting Basics		-	-	3	-	-	-	-	-
KTE0934	Leadership and Management		-	-	-	3	-	-	-	-
KTE1360	International Business Marketing		-	-	-	-	3	-	-	-
ELECTIVE STUDY MODULES		**15 cr**								
PRACTICAL TRAINING		**30 cr**		15		15				
PROJECTS A-E		**18 cr**	3	3	3	3	3			3
BACHELOR´S THESIS		**15 cr**							15	
TOTAL		**240 cr**								