CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE: MASTER

COURSE OF STUDY: ELECTRICAL POWER ENGINEERING AND ELECTRICAL EQUIPMENT WITH RENEWABLE SOURCES OF ENERGY

VOCATIONAL FIELD: 5.2 ELECTRICAL ENGINEERING, ELECTRONICS, AND AUTOMATICS

FORM OF STUDY: FULL-TIME

DURATION OF STUDY: 1 YEAR

Duration of each semester: 15 weeks

Year	Semester	№	Course unit code	Full name of the course units (course projects, practical training)	Form of control	Teaching hours (weekly)		Overall teaching hours by type of seminar			Overall academic load per semester	Credits acc. to ECTS
						L	S	S	Lab	P		
First	First	1	362106	Mathematical Methods in Engineering	E	2	3	45			75	5
		2	362148	Control Systems for Administrative and Economic Activities	E	2	3		45		75	5
		3	282112	Selected Chapters from Physico-Chemistry	E	2	2		30		60	5
		4	322138	Equipment and Technology for Employing Water Power	E	2	2	15	15		60	5
		5	322111	Renewable Sources of Energy	E	2	3	45			75	5
		6	362132	Computer Networks and Communications	E	2	2		30		60	5
				Overall for the first semester	6+0	12	15	105	120		405	30
	Second	1		*Elective course unit*	E	2	3	45			75	5
			322222	Optimisation of Electricity Supply Systems of Industrial Enterprises								
			322225	Transition Processes in Electricity Supply Systems in Industrial Enterprises								
			322242	Electricity Trading								
		2	322150	Electricity efficiency	E	2	3	45			75	5
		3	322133	Equipment and Technology for Employing Solar Radiation	E	2	3	30	15		75	5
		4	322134	Equipment and Technology for Employing Bio Fuels and Geothermal Energy	E	2	2	15	15		60	5
		5	322132	Equipment and Technology for Employing Wind Power	E	2	2	15	15		60	5
		6		*Elective course unit*	E	2	2	30			60	5
			272214	Management and Marketing								
			272213	Civil and Commercial Law								
				Overall for the second semester	6+0	12	15	180	45		405	30
				Development and defence of the diploma paper								15
				OVERALL FOR THE FULL COURSE OF STUDY	12+0	24	30	285	165		810	75

Abbreviations: E - examination; CA -continuous assessment; L - lectures; Lab - laboratory seminars; S -seminars; P - practical seminars

Parameters of the Curriculum:

Overall teaching hours for the full course of study:	810
Academic load:	810
lectures:	360
seminars:	450
- seminars	285
- laboratory seminars	165
- practical seminars	
Extracurricular load (practical training):	
Number of exams:	10
Items of continuous assessment:	1