

CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE: MASTER

COURSE OF STUDY: ELECTRICAL POWER ENGINEERING AND ELECTRICAL EQUIPMENT IN MINES

VOCATIONAL FIELD: 5.2 ELECTRICAL ENGINEERING, ELECTRONICS, AND AUTOMATICS

FORM OF STUDY: PART-TIME

DURATION OF STUDY: 1,5 YEARS

Duration of each semester: 3 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	15	23	23			38	5	
		2	362148	Control Systems for Administrative and Economic Activities	E	15	23		23		38	5	
		3	332129	Control of Electric Drives in Mines	E	15	23	15	8		38	5	
		4	322137	Electromagnetic Compatibility	E	15	15	9	6		30	5	
		5	322121	Power Engineering with Renewable Sources	E	15	15	9	6		30	5	
		6	362132	Computer Networks and Communications	E	15	15		15		30	5	
	Overall for the first semester					6+0	90	114	56	58	204	30	
	Second	Second	1	322222	Optimisation of Electricity Supply Systems of Industrial Enterprises	E	15	23	23			38	5
			2	322225	Transition Processes in Electricity Supply Systems in Industrial Enterprises	E	15	23	23			38	5
			3	322150	Electricity efficiency	E	15	23	23			38	5
			4	322129	Electrostatic Discharges and Their Explosion Protection	E	15	15	9	6		30	5
			5	322123	Explosion-Proof Equipment and Explosion Proofing Systems	E	15	15	9	6		30	5
			6	Elective course unit			E	15	15	15			30
		322242		Electricity Trading									
		272214		Management and Marketing									
		272213	Civil and Commercial Law										
	Overall for the second semester					6+0	90	114	102	12	204	30	
	Overall for the first year					12+0	180	228	158	70	408	60	
Second	Third	Development and defence of the diploma paper										15	
OVERALL FOR THE FULL COURSE OF STUDY					12+0	180	228	158	70	408	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: **408**
 Academic load: **408**
 lectures: **180**
 seminars: **228**
 - seminars **158**
 - laboratory seminars **70**
 - practical seminars
 Extracurricular load (practical training):
 Number of exams: **10**
 Items of continuous assessment: **1**