

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

CURRICULUM

(Salar 1																																														
APPRO	VED)																				(En	rollr	nen	t 20	019	9)																			
by Rector	Rector of Igor Sikorsky Kyiv Polytechnic Institute Michael Zgurovsky				Level Master								<u>ster</u>									Form of study						full-time (full-time, part-time)																		
					Speciality						Electric power engineering, electrical engineering and electromechanics										Faculty (Institute)						Faculty of electric power engineering and automatics																			
		2019)									ucati fess				am					hani rive						Syste ility	ems	5,			Qu	alifi	cati	ion					electi	rical e	electric enginee chanics	ering :		gineer	ng,
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YE	1 2	3	4	5 (6 7	7 8	9	10 11	12	13	14	15 1	16 17	7 18	_	-	_	22		24	25	26	27	28	29	30	31	32	33	34 35	36	37	38	39	_	_			-			47 48	_	50	_	52
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	II. Sun	nmary	table o	f time	budge	t (Wee	ks)
YEAR	Learning period	Examinatio n	Practice	Assessme nt	Research	Holiday	Total
-	36	4				12	52
			8		10		18

Learning period E Examination

III. Pr	actice	
Type of practice	YEAR	Weeks
Pre-diploma Practice	Ш	8

R Research

P Practice

IV. Gradu	ates assessment	
Subjects	Form of graduates assessment (exam, graduation project)	YEAR
Master's Thesis Implementation	Defence of Master's Thesis	II

	V. Plan of			•									
		Dist	ributio	n for te esters)	rms		Number of hours						
			(Seille			ς,		Lect	ures/prac	ctical			
4			w	cts	¥	edit			lessons				
Code	Subjects	Exams	Final tests	Course projects	Coursework	ECTS Credits	Total	Lectures	Practical	Laboratory	Self-study		
1	2	3	4	5	6	7	8	9	10	11	12		
	I. GEN												
	I.1. Basic tra	aining	ı (majo	or cou	rses)								
ZO1	Patenting and Intellectual Property		2			3	90	36	18		36		
	total number of part I.1		1			3	90	36	18		36		
	I.2. Basic trai	ning	(optio	nal co	urses)							
ZV1	Sustainable Development Problems		2			2	60	18	18		24		
ZV2	Management Practical Training in Foreign Language Professional		1			3	90	18	36		36		
ZV3	Communication		2			3	90		72		18		
	total number of part I.3		3			8	240	36	126		78		
	I.3. Science Res	searc	h (opt	ional	cours	es)							
	Scientific Work on Master Thesis												
ZV4	I. Basics of the Scientific Research		1			2	60	9	18		33		
ZV5	II. Research Work on Master Thesis		2			2	60		18		42		
ZV6	Research Practice		3			9	270				270		
ZV7	Master Thesis					21	630				630		
	total number of part I.3		3			34	1020	9	36		975		
	TOTAL IN GENERAL TRAINING		7			45,0	1350	81,0	180,0		1089		
	II. VOCA	TION	AL TR	AININ	G								
	II.1. Vocational and pr	ractica	al trair	ning (r	najor	course	es)						
PV1	Electromechanical Systems in Green Technologies		1			5	150	54		18	78		
PV2	Numeric and Motion Control Systems	1				6,5	195	72		18	105		
PV3	Robust and Adaptive Control in Electromechanical Systems	2				4	120	54			66		
PV4	Electromechanical systems of Electric Vehicles	2		2		4,5	135	36			99		
PV5	Advanced Digital Signal Processing	1				5	150	54		18	78		
PV6	Integrated Automation Systems	2				4,5	135	36		27	72		
PV7	Interdisciplinary research of Electromechanical Systems		2			3,5	105	18	27		60		
PV8	Optimal and Intelligent Control Systems		2			5	150	54	18	18	60		
PV9	Control and Automation of Technical Systems	1	2	1		7	210	54	ΛE	18	138		
	total number of part II.1	6	3	2		45,0 45,0	1350 1350	432	45 45	117	756 756		
	TOTAL IN VOCATIONAL TRAINING TOTAL	6	10	2		90,0	2700	513	225	117	1845		
	IOTAL	0	1 10			30,0	2,00	513	223	117	1043		

Approved by Faculty Aca	demic Council, Meeting protocol №_9 from April 25, 2019
Head of the Department	/Sergey Peresada /_

Dean of the Faculty _____/ Oleksandr Yandulsky /