

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

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

CURRICULUM

(Enrolment 2020)

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Igor S (мееtі								2020	0)			Spe	ecial	ity					pow nics		engir	neeri	ing, e	elect	rical	eng	inee	ring	and					Fac	culty	y (lı	nsti	itut	e)	Facu	Ity of	electing and	ric po		cs	
Head of Academic Council Ec					Edu	Educational and Scientific program											Qualification						Master in electric power engineering, electrical engineering and electromechanics					ng,																		
Mykhaylo ILCHENKO							Electrotechnical devices and electrotechnological complexes												Study duration					1 year 9 months																						
G					Gra	Graduation Department Department of Theoretical Electrical Engineering								_	_ Base level					Bachelor degree																										
I. Schedule of educational process																																														
	AR	Se	ptembe	r		Oc	tober			Nover	nber		De	ecemi	ber		Jar	nuary	/		Febi	ruary			March	1			April				Vlay			Ju	ne			J	luly			Αu	gust	
	Ϋ́E	1 2	3	4	5	6	7 8	9	10	11 12	13	14	15 1	16 1	7 18	19	20	21	22	23	24	25	26	27	28 2	9 3	0 31	32	33	34 3	5 3	6 37	38	39	_	41			_					9 50		
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	II															E	E	Н	Н	Р	Р	Р	Р	Р	R F	R F	R R	R	R	R	R F	R	R	Α					1							
	Syn	ibols:		Lear	ning pe	riod		Е	Exar	mination	1		РР	ractio	се		R	Res	searc	ch		Α	Asses	sme	nt	ŀ	Но	liday			•	•			•	•							-	-		
II. Summary table of time budget (Weeks)							III. Practice										IV. Graduates assessment																													

II. Summary table of time budget (Weeks)														
YEAR	Learning period	Examination	Practice	Assessment	Research	Holiday	Total							
-	38	4				12	52							
=	18	2	5		12	2	39							

III. Practice											
Type of practice	YEAR	Weeks									
Scientific and research practice	Ш	5									

IV. Graduates assessment										
Subjects	Form of graduates assessment (exam, graduation project)	YEAR								
Preparation of master's thesis and defence	Defence of master's thesis	II								

	V. Plan of E	aucuti	oa. p.	00000										
		Dist	ributio (seme	n for te sters)	rms	s	Number of hours							
ø		Exams	ιχ	its task		Credits		Lect	tures/practical lessons		У			
Code	Educational components		Final tests	Individual t	Module test	ECTS CI	Total	Lectures	Practical	Laboratory	Self-study			
1	2	3	4	5	6	7	8	9	10	11	12			
1. NORMATIVE educational components														
	1.1. General training cycle													
ZO1	Intellectual Property and Patenting		1		1	3	90	36	18		36			
ZO2	Fundamentals of Sustainable Development of Society		1		1	2	60	18	18		24			
ZO3	Practical Training in Foreign Language Scientific Communication		2,3	1	1,3	4,5	135		108		27			
ZO4	Management of Startup Projects		1		1	3	90	18	36		36			
ZO5	Pedagogy in Higher Education		3		3	2	60	18	18		24			
Z06	Mathematical Modeling of Transient Processes in		3	3	3	4	120	36	36		48			

Z07	Methods of Analysis of Reliability of High Voltage Electrical Installations	3		3	3	6	180	54	36		90			
	1.2. Vocational training cycle													
PO1	Specialized Application Software	1		1	1	6,5	195	18		72	105			
PO2	Installations and Processes of Electrophysical Technologies	1			1	5,5	165	54	27		84			
PO3	High Voltage Testing Facilities		2		2	2,5	75	36		18	21			
PO4	Electromagnetic Compatibility of Technical Means	1		1	1	5	150	36		18	96			
PO5	Metrological Support of High Voltage Measurement and Research	3			3	4,5	135	54			81			
P06	Course Project on High Voltage Testing Facilities		2			1,5	45				45			
P07	Course Project on Installations and Processes of Electrophysical Technologies		1			1,5	45				45			
PO8	Course Work on Metrological Support of High Voltage Measurement and Research		3			1	30				30			
1.3. Research (scientific) training cycle														
PO9	Research Work on Topic of Master's Thesis		1,2,3	1,2,3	1,2,3	7,5	225	9	36		180			
PO10	Scientific and Research Practice		4			9	270				270			
PO11	Preparation of Master's Thesis and Defence					21	630				630			
	TOTAL of NORMATIVE educational components	5	15	8	16	90	2700	387	333	108	1872			
	2. ELECTIVE ed													
	2.1. Vocational training cycle (Op	tiona	l subje	cts fr	om Fa	culty	catalog	gue)						
PV1	Optional subject #1 from F-Catalogue	2			2	4	120	54			66			
PV2	Optional subject #2 from F-Catalogue	2		2	2	5	150	54		18	78			
PV3	Optional subject #3 from F-Catalogue	2		2	2	4,5	135	36		27	72			
PV4	Optional subject #4 from F-Catalogue		2	2	2	5	150	54	18	18	60			
PV5	Optional subject #5 from F-Catalogue		2	2	2	4	120	36	9		75			
PV6	Optional subject #6 from F-Catalogue	3	<u> </u>	3	3	7,5	225	36	36		153			
	TOTAL of ELECTIVE educational components	4	2	5	6	30	900	270	63	63	504			
	TOTAL	9	17	13	22	120	3600	657	396	171	2376			

Approved by University Acaden	nic Council, Meeting protocol № from	2020
Head of the Department	/ Mykola Ostroverkhov /	
Dean of the Faculty	/ Oleksandr Yandulsky /	