MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

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

CURRICULUM

APPRO	DVED		(Enrolment 2020)		
Igor Siko	rsky Kyiv Polytechnic Institute	Level Ma	ster	Form of study	full-time
	Academic Council			-	(full-time, part-time)
	2020	Speciality	132 Materials Science	Faculty (Institute)	IMZ
Meeting	protocol №_		Nanotechnologies and Computer-aided Materials Design	Qualification	Master of Materials Science
Head of Academic Council Mikhail Ilchenko		Profile program	Master degree	Study duration	1 year 4 months
		Graduation Departmen	t High Temperature Materials and	Base level	Bachelor degree

Powder Metallurgy

YEAR

3

																					I. 3	Sch	edu	le o	of e	duc	atic	nal	pro	oce	ss																				
9		Se	ptem	ber			Octol	per			N	oven	nber			Dec	embe	r			Janu	ary			Feb	ruary			Mar	ch			Apr	il		Ν	lay			Ju	ine				July				Augus	st	П
5	1	1	2 :	3	4	5 6	5 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34 :	35 36	37	38	39	40	41	42	43	44	45	46	47	48	49 5	50 51	1 5	2
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1	P	Р	P	F	, 1	P P	Ρ	Р	R	R	R	R	R	R	R	R	Α	Α																																	
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II. Summary table of time budget (Weeks)						et (Wee	ks)		III. F	Practice		IV. Graduates assessment					
YEAR	Learning period	Examinatio n	Practice	Assessme nt	Research	Holiday	Total		Type of practice	YEAR	Weeks	Subjects	Form of graduates assessment (exam, graduation project)				
I	36	4				12	52	1	Pre-diploma practice	3	8	Work on a Master's Thesis	Master's Thesis Implementation				
			8		10		18										

	V. Plan c	of Educ	ationa	l proce	ss								
		Dis		on for te esters)	erms		Number of hours						
			(Sem	ĺ		ş		Lect	ures/pra				
Code	Subjects	Exams	Final tests	Course projects	Coursework	ECTS Credits	Total	Lectures	Bractical	Laboratory	Self-study		
1	2	3	4	5	6	7	8	9	10	11	12		
I. GENERAL TRAINING I.1. Basic training (major courses)													
		rainin	- · ·	jor cou	irses)			r					
GO I	Intellectual Property and Patenting		1			3	90	36	18		36		
GO II	Academic discipline on the problems of sustainable development		1			2	60	18	18		24		
GO III	Foreign Language Professional Communication Practicum		2			3	90		72		18		
GO IV	Curricula of Management		2			3	90	18	36		36		
	total number of part I.1	0	4	0	0	11	330	72	144	0	114		
	I.2. Professional training												
PO I	Engineering Materials Science	1				4,5	135	36	18		81		
PO II	Physics of Strength and Destruction		1			2	60	18		9	33		
PO III	Вибір and Computer Design of Materials	1				4	120	27		27	66		
PO IV	Phase equilibria and phase transformations	1				4	120	36	18		66		
PO V	Practice of Scientific Research		1,2			7	210			135	75		
PO VI	Coursework of Practice of Scientific Research				2	1	30				30		
	Research	(scien	tific) co	ompone	ent				1	-			
PO VII	Scientific work on the topic of master's dissertation 1. Fundamentals of Scientific Research 2. Scientific Research		1, 2			4	120	9	36		75		
PO VIII	Practice		3			14	420				420		
PO IX	Preparation and Defence of Master's Thesis					16	480				480		
	total number of professional training	3	6	0	1	56,5	1695	126	72	171	1326		
	TOTAL IN GENERAL TRAINING		10		1	67,5	2025	198	216	171	1440		
	II. VOCA				-								
PV I	Educational Component of 1 F - Catalog	2				5	150	36		18	96		
PV II	Educational Component of 2 F - Catalog	2				5	150	36		18	96		
PV III	Educational Component of 3 F - Catalog		2			4	120	36	18		66		
PV IV	Educational Component of 4 F - Catalog	2				5	150	36		18	96		
PV V	Educational Component of 5 F - Catalog		2			3,5	105	18		18	69		
	total number of part II.1	3	2	0	0	22,5	675	162	18	72	423		
	TOTAL IN VOCATIONAL TRAINING	3	2	0	0	22,5	675	162	18	72	423		
	TOTAL	6	12	0	1	90	2700	360	234	243	1863		

Approved by Institute Academic Council, Meeting protocol № 3/20 from April 13, 2020

Head of the Department	/ Yuriy BOGOMOL /
ficua of the Department	/ Turiy December/