

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

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

## CURRICULUM

(Enrolment 2020)

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	YEAR	Se	ptemb	er		00	ctober			Nove	mber		[	Decemb	er		Janu	ary		Fe	bruary	/		Marc	:h			Ар	ril			Ма	у		Ju	ne				July			Aug	ust	
1	Ϋ́Ε	2	3	4	5	6	7 8	9	10	11 12	2 13	3 14	15	16 17	18	19	20		_	23 24	25	26	27	28	29	30	31	32 3	34	35	36	37	38 39	40	41		43	44			47 4	3 49	50		
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S	Symb	ols:		Lea	rning p	period		E	Exan	ninatio	n		Р	Practice	Э		R	Rese	earch		А	Asse	ssme	nt		Η	Holid	ay																	

I	s)	Week	udget	time b	able of	ummary t	II. Sı	
Type of practic	Total	Holiday	Research	Assessment	Practice	Examination	Learning period	YEAR
Scientific and research	52	12				4	38	I
practice	39	2	12		5	2	18	11

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	=									

	V. Plan of E	ducati	onal pi	ocess										
		Dist	tributio (seme		erms	s	Number of hours							
e		Exams	s	task	st	Credits		Lect	ures/prac lessons	ctical	y			
Code	Educational components		Final tests	Individual t	Module te:	ECTS C	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 Professional 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			
ZO6	Methods of Electrodynamics in Electrical Engineering and Electromechanics		3	3	3	4	120	36	18	18	48			
Z07	Process Control	3		3	3	6	180	54	36		90			

1.2. Vocational training cycle														
PO1	Numeric and Motion Control Systems	1	l i	1	1	6,5	195	72		18	105			
PO2	Control and Automation of Technical Systems	1			1	5,5	165	54		27	84			
PO3	Electric Vehicles Technology		2		2	2,5	75	54			21			
PO4	Advanced Digital Signal Processing	1		1	1	5	150	36		18	96			
PO5	Nonlinear and Adaptive Control Theory	3			3	4,5	135	54			81			
PO6	Courseproject on Electric Vehicles Technology		2			1,5	45				45			
PO7	Courseproject on Control and Automation of Technical Systems		1			1,5	45				45			
PO8	Coursework on Nonlinear and Adaptive Control Theory		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	459	288	81	1872			
	2. ELECTIVE ed	ucatio	onal co	ompoi	nents									
	2.1. Vocational training cycle (Op	tiona	l subje	ects fr	om Fa	culty o	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	9	36		75			
PV6	Optional subject #6 from F-Catalogue	3		3	3	7,5	225	36	36		153			
	TOTAL of ELECTIVE educational components	4	2	5	6	30	900	243	90	63	504			
	TOTAL	9	17	13	22	120	3600	702	378	144	2376			

Approved by University Academic Council, Meeting protocol № \_\_\_ from \_\_\_\_\_ 2020

 Head of the Department
 / Serhii Peresada/

 Dean of the Faculty
 / Oleksandr Yandulsky /