

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

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

CURRICULUM

(Enrolment 2020)

by Academic Council	Level	PhD	Form of study	tull-time
Igor Sikorsky Kyiv Polytechnic Institute				(full-time, part-time)
(meeting protocol № from 2020)	Speciality 131	- Applied mechanics	Qualification	PhD
Head of Academic Council	Educational and Sc	ientific program	_ Study duration	4 years
Mykhaylo ILCHENKO	Dy	namics and strength of machines	Base level	Master degree
	Graduation Departr	Dynamics and strength of machines and strenght of nents materials	Educational compor	nent 30 ECTS Credits
	Faculty (Institute)	Institute of Mechanical Engineering	_	
		Schedule of study		

AA			Octob	er			Nov	embe	r		D	ecem	ber			Jan	uary			Feb	ruary	1		Ma	arch				April				Ma	ay			Jı	ıne				July				Aug	gust			Septe	∍mbe	r
×	1	2	3	4	5	6	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	50	51	52
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II												I	I	Е	Е	Е	R	R	RT	RT	RT																Е	Е	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	R	RT	RT	RT
II	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	RT	RT	RT	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	R	RT	RT	RT
۱۱	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	RT	RT	RT	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	R	RT	RT	RT
Sy	mbol	s:		Lear	ning p	oerio	d		Е	Exa	amina	ation			I	Inte	rnsh	ip		R	Res	earc	h		RT	Repo	ort			Α	Asse	essm	nent		Н	Holi	day															

I. Educational component

of time budget (Weeks)	table of	y	ımmary
tion Internship Holiday Total	Examination		Learn perio
	9 42	5 9 42	28 5 9 42
	2 9 42	5 2 9 42	26 5 2 9 42

Plan of Educational process

		Dist	ributio seme)	n for te sters)	rms	S	Number of hours								
o o			ts	task	test	Credits		Lect	ures/prac lessons		<u>></u>				
Code	Educational components	Exams	Final test	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. Norma	tive co	mpon	ents											
	1.1. Gene	ral tra	ining (cycle											
PhC 1	Philosophical principles of scientific	2	1	2	1	6	180	31	49		100				
LC 1	Foreign language for scientific activity	2	1	1	2	6	180		76		104				
	1.2. Vocational training cycle														
GC 1	Methods of design and calculation of machines and structures	3	4			3	90			44	46				

GC 2	Reliability of machines and structures	4	3		3,5	105	31	31		43
GC 3	Machine dynamics and control processes	1			3	90	26			64
GC 4	Diagnostics and quality assurance systems		4		2,5	75		18		57
PC 1	Organization of scientific and innovative		2		4	120	36	18		66
PC 2	Pedagogical practice		3		2	60				60
	TOTAL of NORMATIVE educational components	5	7		30	900	124	192	44	540
	2. Electiv	e cor	npone	ents						
PS 1	Educational component 1 of Depart-catalogue	4			5	150	54			96
PS 2	Educational component 2 of Depart-catalogue	4			5	150	54			96
PS 3	Educational component 3 of Depart-catalogue		3		5	150	39			111
	TOTAL of ELECTIVE educational components	2	1		15	450	147			303
	TOTAL	7	8		45	1350	271	192	44	843

II. Scientific component

YEAR	The content of the graduate student's scientific work	Forms of control (Reporting)
	The choice of the topic of the graduate student's dissertation, the formation of an individual work plan of the graduate student; execution of the dissertation work under the guidance of the scientific supervisor; preparation and submission for publication of at least 1 publication on the topic of the dissertation in accordance with current requirements.	Approval at the Academic Council of the Institute / Faculty by 30.11.2020, reporting on the progress of the individual plan of the graduate student twice a year.
2nd year	Execution under the guidance of the supervisor of the dissertation; preparation and submission for publication of at least 1 publication on the topic of the dissertation in accordance with current requirements.	Reporting on the progress of the individual graduate student's plan twice a year.
	Execution under the guidance of the supervisor of the dissertation; preparation and submission for publication of at least 1 publication on the topic of the dissertation in accordance with current requirements.	Reporting on the progress of the individual graduate student's plan twice a year.
4th year	Completion of the dissertation, summarizing the results of publications (at least three) on the topic of the dissertation in accordance with current requirements. Submission of documents for preliminary examination of the dissertation. Graduation certification.	Reporting on the progress of the individual plan of the graduate student twice a year Providing an opinion on the scientific novelty, theoretical and practical significance of the dissertation results. PhD thesis defense.

Head of the Scientific and Methodica	al Board of Speciality	/ _ Mykola BOBYR
Head of the Department	/ _ Sergii PYSKUNOV	
Dean of the Faculty	/ Mykola BOBYR	