

			Nation		MINISTRY OF nnical Universi	ty of U		gor Sik	orsl				Institute"							
APPROVED						/E	nrolmor	+ 2010)												
	r Sikorsky Kyiv Polytechnic	Level		(Enrolment 2018) Master							Form of study					full-time (full-time, part-time)				
	Mykhailo Zgurovsky	Speciality	Applied	mecha	nics				_	Facult		Ins	Institute of Mechanical Engineering							
2	018	Specialization		nformat	Dynamics and Strength of Machines Iformation systems and technologies in aircraft engineering							-	Qualifi		214	2145.1 Researcher				
	Profile program	rogram Educational scientific master's training										Study		1 y	1 years 9 months					
		Graduation Departs		and str		f ma	achines		_	Base level					Bachelor degree					
				I. Schedule of educational process																
	tember October		cember			Februa	,	March		April			May	June	Ju			Augus		
Ŏ 1 2	3 4 5 6 7 8 9 10	0 11 12 13 14 15 1	6 17 18			25 26	27 28	29 30	31	32 33	34 3	35 36	6 37 38 39 40			46 47 H H		19 50 H H		
1		 		E E		P P	PR	R R	R	R R	R	RR	RRRR	E E H	нн	нн	н	нн	нн	
Symbols:	Learning period E Ex	xamination P F	ractice		Research		sessme			liday										
od ical training	Summary table of time bud Examin Practic Assess ation e ment Reserved.	arch Holida y Total y 12 52			Type of practic	е						-	IV. Graduates asses Subjects Form of graduat (exam, graduat Work on master's Master's the					tes assessment VEAR		
II 18	2 5 1	2 2 30		<u> </u>	practice						L	thesis			uster s triesis derense			-	<u>-</u>	
					V 84		ducation													
			_	ารเกมนแน	on for terms	an of E	ducation	_				1	Distribution	of class ho	ure no	r wook	by co	ureae	and	
				(sem	store)	Number of hours					1 .	Distribution	mester							
<u>o</u>					Course projects Coursework	Credits	Aggregate total			Practic		Self-study	I co	urse			II cour	rse		
Code	Subjec	ets	Exams	± ±	sew sew	SC	Jate	Total	1	8 8	Į.	ş-	1	Se 2	mester	rs 3		4		
			ú	Final tests	our se	ECTS	gre	-	i	Practical	Laboratory	Š		number of v	veeks i		semes		'	
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							L TRAII		1											
	1		_	1	I.1. Basic	trainin	ig (majo	r cours	es)		_	1	1							
GM 1	Intellectual Property and Pa			1		3	90	54	3	36 18	1	36	3				_			
GM 2	Mathematical Modeling of Processes	Systems and	3			4	120	54	3	36 18	3	66				3				
GM 3	Modern design methods		3		4	120	54	3	86 18	:	66				3					

			(some	t store)		ts	a		Le	Lectures/		_	semesters			
0			sts	Course projects	Coursework	ECTS Credits	Aggregate total		Pr	actical		Self-study	I co	urse	II co esters	ourse
Code	Subjects		ş	Did.	ě	Ö	ate	Total	Se	al	o.	f-st				
"		Exams	Final tests	se	ırs	5	reg	٩	Lectures	Practical	Laboratory	Sel	1	2	3	4
			正	ī	క	ш	66		9	ac l	apc			number of we		
1		_	4	5		7		9	10	11	_	40	18	18	18	17 20 21
1	2	3	4	5	6	, ENERAI	8 TDAIN		10	11	_	13	14 15	16 17	18 19	20 21
-				1.1		training			es)							
GM 1	Intellectual Property and Patented Science		1			3	90	54	36	18		36	3			
GM 2	Mathematical Modeling of Systems and Processes	3				4	120	54	36	18		66			3	
GM 3	Modern design methods		3			4	120	54	36	18		66			3	
	total number of part I.1	1	2			11	330	162	108	54		168	3		6	
I.2.Science Research (optional courses)																
GM 4	Scientific work on the topic of master's thesis		1;3			7,5	225	45	9	36		180	1,5	1		
GM 5	Research Practice		4			9	270					270				><
GM 6	Writing a Masters Dissertation					21	630					630				\times
	total number of part I.2					37,5	1125	45	9	36		1080	1,5	1		
				1.3.	Basic t	raining	(option	al cour	ses)							
GS 1	Workshop on foreign language scientific communication		2;3			4,5	135	108		108		27	2	2	2	
GS 2	Academic discipline on sustainable development		1			2	60	36	18	18		24	2			
GS 3	Academic discipline on management		2			3	90	54	18	36		36		3		
GS 4	Academic disciplines in pedagogy		3			2	60	36	30	6		24			2	
	total number of part I.3		5			11,5	345	234	66	168		111	4	5	4	
	TOTAL IN GENERAL TRAINING	1	10	0	0	60	1800	441	183	258		1359	8,5	6	10	
					II. VO	CATION	IAL TRA	AINING								
			II.1. V	ocatio/	nal and	practic	al train	ing (ma	jor cou	rses)						
PM 1.1	Information systems and technologies in aircraft engineering	1	2			9	270	126	63		63	144	2	5		
	total numberof part II.1	1	1			9	270	126	63		63	144	2	5	0	
			Spe	cializat	ion: Dy	namics	and Sti	rength o	of Mach	ines						
			II.2. \	/ocatio	nal and	practic	al train	ing (ma	ajor cou	ırses)						

										i			i		•	
PSU 1.1	The theory of oscillation and stability of motion		1	1		2,5	75	9		9		66	0,5			
PSU 1.2	Numerical methods for dynamics and strength of machines		1		2	2,5	75	27	9		18	48	1,5			
PSU 1.3	Fatigue of materials	1				4	120	54	36	18		66	3			
PSU 1.4	Statistical dynamics and reliability	2	1			10	300	153	81	72		147	4,5	4		
PSU 1.5	Experimental methods of research	1;2				9	270	126	72		54	144	3	4		
PSU 1.6	Designing and calculating elements of aviation constructions		1;2			5	150	72	36		36	78	1	3		
PSU 1.7	Strength and fracture of structures	2				3	90	36	27	9		54		2		
PSU 1.8	Mechatronics	3				5	150	72	36		36	78			4	
PSU 1.9	Special calculation systems	3				6,5	195	54			54	141			3	
PSU 1.10	Research on the topic of the dissertation					3,5	105	54			54	51			3	
	total number of part II.2	7	5	1	1	51	1530	657	297	108	##	873	13,5	13	10	
	TOTAL IN VOCATIONAL TRAINING	8	6	1	1	60	1800	783	360	108	##	1017	15,5	18	10	
	TOTAL	9	16	1	1	120	3600	1224	543	366	##	2376	24	24	20	
Number of hours per week 24 24 20																
Number of exams 3 3 3																
Number of credits												7	4	4	1	
Number of course projects										1						
Number of courseworks												1				
Specialization: Information systems and technologies in aircraft engineering											eering					
			II.1. V	/ocatio	nal and	practic	al train	ing (ma	jor cou	rses)						
PSU 2.1	Oscillations and Stability of Mechanical Systems Motion		1	1		2,5	75	9		9		66	0,5			
PSU 2.2	The Grid Projection Methods in Mechanics		1		2	2,5	75	27	9		18	48	1,5			
PSU 2.3	Strength under non-stationary loads	1				4	120	54	36	18		66	3			
PSU 2.4	Statistical Methods in Mechanics	2	1			10	300	153	81	72		147	4,5	4		
PSU 2.5	Experimental Mechanics	1;2				9	270	126	72		54	144	3	4		
PSU 2.11	Strength Calculations of aviation structures		1;2			5	150	72	36		36	78	1	3		
PSU 2.6	Structural Strength	2				3	90	36	27	9		54		2		
PSU 2.7	Hydraulic and Pneumatic Control Systems	3				5	150	72	36		36	78			4	
PSU 2.8	Special software packages	3				6,5	195	54			54	141			3	
PSU 2.9	Research on the topic of the dissertation					3,5	105	54			54	51			3	
	total number of part II.2	7	5	1	1	51	1530	657	297	108	##	873	13,5	13	10	
	TOTAL IN VOCATIONAL TRAINING	8	6	1	1	60	1800	783	360	108	##	1017	15,5	18	10	
	TOTAL	9	16	1	1	120	3600	1224	543	366	##	2376	24	24	20	
Number o	f hours per week												24	24	20	
Number o	f exams												3	3	3	
Number o													7	4	4	1
	f course projects f courseworks												1	1		
								40	40	_		40				
1	Civil Protection		1			1	30	18	10	8		12	1			

Approved at the Meating of the Institute's Academic Counsil No. 4 on 02/04/2018

Head of the Department	/ Babenko A. /	Dean of the Faculty (Director of the Institute)	/	Bobyr M.	/
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