

STUDY PLAN for the 2017/2018 academic year (Enrolment 2017)

131 - Applied mechanics
 Dynamics and Strength of Machines and of master's training
 Master

Faculty (Institute)
Form of study
Study duration

Institute of Mechanical Engineering full-time 1 years 9 months

		Conduction Description	Department of dynamics and strength of machines and strength of materials 2145.1 Researcher								her	_																	
																							Distribution of class hours per week by courses and semesters						
		Department		Amount		Lectures/ Practical					tical				Control measures and their distribution by semeste						ster	1 Course					-		
											4		,							MP-71mn(2+				_	_				
Code	Subjects				2		Lect	ectures Pra		tical	cal Laboratory g		sus	Self-stud			orks	ş	ا ـ ا	ment		1	18 w	reeks			seme	ester eks s/ Practic	=
			of cre	1 1	of hours	Total	•	je al	•	70		78	l les so	Se	Exams	tests	test wo	projec	ework	ssignr	рати		ectu	res/Pr	ractica	Ľ	ectures	s/ Practio	.ca
			Number of credits	1	Number	P.	rding to	di vidu. sse s	ding to culum	with individual	scoording to curriculum	dividu	Individual		Exa	Final tests	Modular, t	Course project	Coursework	per sonal assign	Реферати	Total	Lectures	Practical	Labor atory	Total	Lectures	Practical Laboratory	diner,
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		I.1. E	asic tr						s)																	_		_	٦
1	Intellectual Property and Patented Science	Department of Design of Machine Tools and Machines	3	9	90	54	36		18					36		1	1					3	2	1					
		total number of part 1				54	36		18					36		1	1					3	2	1		I	I	工	1
		I.2.B Department of Cybernetics of chemical	asic tra	$\top$	T			urse										1								$\overline{}$	$\neg$	$\neg$	4
2	Fundamentals of Engineering and Sustainable Technology	and technological processes	2	6	60	36	18		18					24		1					1	2	1	1		4	_	4	_
3	Workshop on foreign language scientific communication 1. Workshop on foreign language professional communication	Department of the English Language of Technical Orientation № 2	3	9	90	72			72					18		2					1	2		2		2		2	
4	Project management in high technology engineering	Department of dynamics and strength of machines and strength of materials	f 3	9	90	54	18		36					36		2										3	1	2	
		total number of part 1				162	36		126					78		3					2	4	1	3		5	1	4	_
I.3.Science Research (optional courses)  Scientific work on the topic of master's thesis 1. Basics of the Department of dynamics and strength of																													
5	scientific research	machines and strength of materials	2	6	30	27	9		18					33	Щ	1						1,5	0,5	1		_	1	$\perp$	╛
6	Scientific work on the topic of master's thesis1. Scientific work on the topic of master's thesis	Department of dynamics and strength of machines and strength of materials	f 2	6	60	18			18					42		2										1		1	
		total number of part 1			20	45	9		36					75		2						1,5				1		1	1
TOTAL IN GENERAL TRAINING 15 450									180					189		6	1				2	8,5	3,5	5		6	1	5	4
II. VOCATIONAL TRAINING  II.1. Vocational and practical training (major courses)																													
7	Statistical dynamics and reliability 1. Probability theory and stochastic processes	Department of dynamics and strength of machines and strength of materials	f 4,5	5 13	35	81	45		36					54		1d				1		4,5	2,5	2					Ī
8	Statistical dynamics and reliability 2. Dynamics and reliability	Department of dynamics and strength of machines and strength of materials	f 5,5	5 16	65	72	36		36					93	2					2	!					4	2	2	1
9	Experimental methods of research 1. Methods of determining the mechanical characteristics of materials and test equipment	Department of dynamics and strength of machines and strength of materials	f 4	12	20	54	36				18			66	1							3	2		1				Ī
10	Experimental methods of research 2. Methods of	Department of dynamics and strength o	f 5	15	50	72	36				36			78	2											4	2	2	2
measurement; indicating and automation systems machines and strength of materials  total number of part 2:						279	153		72		54			291	3	1d				1	!	7,5	4,5	2	1	8	4	2 2	2
		II.2. Vocational Department of dynamics and strength of	f		$\neg$		ng (o	ptior		urses	)							- 1		-	1	1		1					4
11	The theory of oscillation and stability of motion 1.	machines and strength of materials	_ '	3	30	9			9					21		1				_		0,5		0,5		4	4	4	4
12	The theory of oscillation and stability of motion 2. Coursework	Department of dynamics and strength of machines and strength of materials	1,0	5 4	<b>1</b> 5									45				1											
13	Numerical methods for dynamics and strength of machines 1.	Department of dynamics and strength of machines and strength of materials	f 1,5	5 4	<b>1</b> 5	27	9				18			18		1						1,5	0,5		1				
14	Numerical methods for dynamics and strength of machines 2. Coursework	Department of dynamics and strength of materials	f 1	3	30									30					2										
15		Department of dynamics and strength of machines and strength of materials	f 4	12	20	54	36		18					66	1					+		3	2	1		+	$\pm$	+	-
16	Design and calculation of elements of aviation constructions	Department of dynamics and strength of	f ^								40			40		1d		T		1	T	1				T	T	$\top$	٦
16	Calculation of aviation structures for durability  Design and calculation of elements of aviation constructions	machines and strength of materials  Department of dynamics and strength of		-	4	18					18			42					_		-	1			1	4	4	+	4
17	2. Basis of design of the structure of the aircraft	machines and strength of materials	3	9	90	54	36				18			36		2d				2	-				Н	3	2	1	4
18	Information systems and technologies in aircraft building 1. Information technologies of aviation engineering	Department of dynamics and strength of machines and strength of materials	f 3	9	90	36	18				18			54	1					1		2	1		1	$\downarrow$	4	4	
19	Information systems and technologies in aviation engineering. 2. Information systems of design and engineer analysis	Department of dynamics and strength of machines and strength of materials	f 6	18	80	90	45				45			90		2d				2						5	2,5	3	3
20	Strength and destruction of structural elements	Department of dynamics and strength of machines and strength of materials	3			36	30		6					54	2			J	J			L						0,3	
$\vdash$	total number of part 2.2.  TOTAL IN VOCATIONAL TRAINING						174 327		33 105		117 171			456 747		2;3d 2;4d	Н	1	1	4 2	+	16	3,5 8	1,5 4	3	10 18	6,2 10	0,3 4 2,3 6	
TOTAL						864	408		285		171			936	6	7;4d	1			4 2			11,5				11,2	7,3 5,	,5
			E	exams final tests modular, test works												#	t	3	5;20	Ļ			2;2d	#	╡				
		Numbe	. E		course projects							1		1		#	#	$\pm$	Ⅎ										
					number of courseworks personal assignment													L		2			1	2	$\pm$	Ⅎ			
			F			home tests Abstracts														Ł	L	L	1	2	Ⅎ	_	1 1	1	
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1	Civil Protection	industrial and civil security	1	3	30	18	10		8					12		1						1	υ,6	0,4		$\perp$	$\perp$	$\perp$	╝

Hard Add Borrows	 Barrier Color Branch (Blanch of the Landson)	

Approved at the Meating of the Institute's Academic Counsil No. 8 on 27/03/2017