

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

Institute of Mechanical Engineering full-time 1 years 4 months Faculty (Institute)
Form of study
Study duration 131 - Applied mechanics
 Dynamics and Strength of Machines
m of master's training
 Master

	* 2017	Graduation Department .	Depart	ment o	of dy	namic	s and	stren	gth of	f mach	nines	and st	rengt	h of r	nateri	als		_									
		Department		mount		Lectures/ Practical							Control measures and their distribution by semester						Dis	Distribution of class hours per week by courses and semesters  1 Course							
	<u>'</u>											è						MP-71mp(9+0) 1 semester 2 semester									
Code	Subjects			2		Lec	tures	ures Practical Laboratory				us	Self-study			rks	22	. 1	Ĭ			sem		ď		emeste 8 weeks	ər
			fcree	7 70	-		1-					lesso	Sel	æ	ests	sst wo	rojed	wor.	tests	рати		ecture	es/Pra	actica	Lec	tures/ P	ractica
			Number of credits	Number of hours	Total	cording to	h individua	cording to urriculum	h individua classes	cording to urriculum	h individua classes	Individual lessons		Exams	Final tests	Modular, test work	Course projects	Coursework	home tests	Реферати	Total	Lectures	Practical	Laboratory	Total	Lectures	Laboratory
1	2	3	-	5	6	8 0	*	9 9	10	11	12	13	14	15	16	17	18		_	22	23		25			28 29	
I. GE							GENERAL TRAINING																				
							c training (major courses)												-								
1	Intellectual Property and Patented Science	Department of Design of Machine Too and Machines	s 3	90	54	36		18					36		1	1					3	2	1	1			
		total number of part	1.1. 3	90	54	36		18					36		1	1					3	2	1				
12.Basic training (optional courses)																											
2	Fundamentals of Engineering and Sustainable Technology	Department of Cybernetics of chemica and technological processes	1 2	60	36	18		18					24		1					1	2	1	1	1			
3	Workshop on foreign language scientific communication	Department of the English Language of Technical Orientation № 2	f 3	90	72	!		72					18		2					1	2		2		2	2	
-	Project management in high technology engineering	Department of dynamics and strength of		90	54	18		36					36		2		T				П			П	3	1 2	Ħ
_	Troject management in high teemslogy engineering	machines and strength of materials	3	240																	Щ	H	Ļ	Ш			
total number of part 1.2. I.3.Scien							com	126 (Ses)					78		3					2	4	1	3	ш	5	1 4	Щ
5	Scientific work on the topic of master's thesis 1. Basics of the	Department of dynamics and strength	of		T	T	T						33		1		Т	Т	Т	Т	1.5		1	П	Т	$\top$	П
5	scientific research	machines and strength of materials	2	60	27	9		18					33		1						1,5	0,5	1	Ш	_	$\perp$	
6	Scientific work on the topic of master's thesis1. Scientific work on the topic of master's thesis	Department of dynamics and strength machines and strength of materials	of 2	60	18			18					42		2										1	1	
		total number of part	1.3. 4	120	45	9		36					75		2		-	-	+		1.5	0,5	1	H	1	1	+
		TOTAL IN GENERAL TRAIN	ING 15	450	26	1 81		180					189		6	1	T			2				П		1 5	
			II. VOC	ATION																		_	_	_			
		II.1. Vocation	al and	oractic	al tra	ining	(maj	or cou	rses)						- 1				_	1	1						-
7	Statistical dynamics and reliability 1. Probability theory and stochastic processes	Department of dynamics and strength machines and strength of materials	4,5	135	81	45		36					54		1d				1		4,5	2,5	2				
8	Statistical dynamics and reliability 2. Dynamics and reliability	Department of dynamics and strength machines and strength of materials	of 5,5	165	72	36		36					93	2					2					Ш	4 :	2 2	
9	Experimental methods of research 1. Methods of determining the mechanical characteristics of materials and test equipment	Department of dynamics and strength machines and strength of materials	of 4	120	54	36				18			66	1							3	2		1			
10	Experimental methods of research 2. Methods of measurement; indicating and automation systems	Department of dynamics and strength machines and strength of materials	of 5	150	72	36				36			78	2											4	2	2
total number of part 2.1						9 153		72		54			291	3	1d				2		7,5	4,5	2	1	8 4	4 2	2
		II.2. Vocation Department of dynamics and strength					optio		urses	;)					- 1	-			_	1	1						-
11	· ·	machines and strength of materials	1	30	9			9					21		1						0,5		0,5	Ш			
12	The theory of oscillation and stability of motion 2. Coursework	Department of dynamics and strength machines and strength of materials	of 1,5	45									45				1							1			
13	Numerical methods for dynamics and strength of machines 1.	Department of dynamics and strength	of 1,5	45	27	. 9				18			18		1		1		+		1.5	0.5	П	1	+	+	+
	Numerical methods for dynamics and strength of machines	machines and strength of materials  Department of dynamics and strength	_		+-	Ť	+									-	-	+	_	+	-,-	+	$\vdash$	H	+	+	+
14	2. Coursework	machines and strength of materials	1	30									30					2						1			
15	Fatigue of materials	Department of dynamics and strength machines and strength of materials	of 4	120	54	36		18					66	1							3	2	1	П	T		П
16	Design and calculation of elements of aviation constructions  1. Calculation of aviation structures for durability	Department of dynamics and strength machines and strength of materials	of 2	60	18	1				18			42		1d				1		1			1			
17	Design and calculation of elements of aviation constructions 2. Basis of design of the structure of the aircraft	Department of dynamics and strength machines and strength of materials	of 3	90	54	36				18			36		2d			:	2						3 :	2	1
18	Information systems and technologies in aircraft building 1. Information technologies of aviation engineering	Department of dynamics and strength machines and strength of materials	of 3	90	36	18				18			54	1					1		2	1		1			
19	Information systems and technologies in aviation engineering. 2. Information systems of design and engineer analysis	Department of dynamics and strength machines and strength of materials	of 6	180	90	45				45			90		2d			:	2						5 2	,5	3
20	Strength and destruction of structural elements	Department of dynamics and strength machines and strength of materials	3	90	36			6					54	2											2 1		
L		total number of part				4 174		33		117			456		2;3d				4	1					10 6		
TOTAL IN VOCATIONAL TRAINING TOTAL						3 327		105 285		171 171			747 936		2;4d 8;4d				4 2	2	16 24					10 2,3 1,2 7,3	
ш			Ľ	1 .00	1 50	1 -30		exan					- 30	Í	., .~	İ	Ì	Ť	Ť	Ė	3	Ĺ	,~	Á	3		_,,0
	final tests modular, test works											-	+	+	+	┝	H	5;2d	1	H	3;	2d	+				
		Numb	er				COL	ırse pı	roject	s							1	1	1	F	1	曰	Ħ	口	#	丰	Ħ
			$\vdash$					r of co						H		+	+	+	+	$\vdash$	$\vdash$	2	Н	$\vdash$	1 :	2	+
								ome t								4	4	1	F		P	Н	1	2	4	1	H
									_0.0							!				_				_=			لسد
		Development of labor controllers of	$\neg$		T	T			1					П	$\neg$	$\neg$	$\neg$	$\top$	Т			. — 1	ı	1	$\neg$	1	

Department of labor protection of industrial and civil security 1 30 18 10 8 12 1 1 0,6 0,4

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

Hard Cold Cold Cold Cold Cold Cold Cold Col	 	