

Документ подписан простой электронной подписью
Информация о владельце:
ФИО: Ливанов Дмитрий Викторович
Должность: Ректор
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APPROVED
Уникальный программный ключ:
Vice Rector for Academic Affairs
c6d909c49c1d2034fa5a0156c4ea51e7252a3a2
A. A. Voronov

Ministry of Science and Higher Education of the Russian Federation
The Federal State Autonomous Educational Institution of Higher Education
"Moscow Institute of Physics and Technology (National Research University)"

Qualification Master

Year of enrollment 2024

Statutory duration of a study course 2 years

ACADEMIC PLAN

Domain of study: 03.04.01 - Applied Mathematics and Physics
Orientation (specialty): Beam-Plasma Systems and Technologies/Пучково-плазменные системы и технологии
Phystech School of Aerospace Technology
Chair of Logistics Systems and Technologies

AGREED
Head of the Phystech School of Aerospace Technology
S. S. Negodyaev

№ in order	Name of disciplines, practices, State Final Examination	Form of final control by semesters			Hours									Coursework and test papers	hours in week								TOTAL HOURS	Credit points		
		Examinator	Graded test ("н" - simple)			State Examination	Laboratory classes	of them					Hours for preparation and examinations		Distribution by courses and semesters									Total	Basic	Elective
			1	2	3			4	Total classroom sessions	Lectons	Laboratory classes	Practical lessons, seminars, exercises, etc.			Practice	Independent study	1 course				2 course					
		1	2	3	4	lect	lab	sem					lect				lab	sem	lect	lab	sem	lect		lab	sem	
1	2	3			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
M.1	Courses (Modules)/Дисциплины (модули)					1 680	960	255	225	480		720	210	8						1 890	42	9	33			
	Foreign Languages/Иностранные языки					180	120			120		60		4						180	4	4				
M.1.1	Russian as a Foreign Language/Русский язык как иностранный					180	120			120		60		4						180	4	4				
				-1		90	60			60		30		2	4				90	2	2					
				2		90	60			60		30		2		4			90	2	2					
	Humanitarian and Social Cycle/Гуманитарный и социальный цикл					165	60	60				105	60	4						225	5	5				
M.1.2	(N)ever the Same Phystech: History and Culture of MIPT from Ancient Times to the Present Day/(Не) тот Физтех: история и культура МФТИ с незапамятных времен до Digital Transformation: Social and Economic Challenges/Цифровая трансформация: социальные и экономические вызовы	1				60	30	30				30	30	2	2				90	2	2					
M.1.3	Physics. Laws of Conservation in Mechanics and Aerodynamics/Физика. Законы сохранения в механике и аэродинамике	2				105	30	30				75	30	2		2			135	3	3					
M.1.B.1						225	150		120	30		75							225	5		5				
				1		135	90		60	30		45			4	2			135	3		3				
M.1.B.2	Selected Sections of Higher Mathematics/Избранные главы высшей математики				2	90	60		60			30				4			90	2		2				
						180	120			120		60							180	4		4				
				1		90	60			60		30			4				90	2		2				
				2		90	60			60		30				4			90	2		2				
M.1.B.3	Selected Sections of General and Bioorganic Chemistry/Избранные главы общей и органической химии				3	135	75	15	15	45		60						1	1	3	3		3			
	Selected Sections of Computer Science: Special Software/Избранные главы информатики: специальное программное обеспечение					45	30	15	15			15							45	1		1				
M.1.B.4	Core science/Профильные дисциплины				-2	750	405	165	75	165		345	150			1	1		900	20		20				
M.1.B.5	Introduction to Plasma Physics. Electron Kinetics/Введение в физику плазмы. Электронная кинетика	1				105	60	30		30		45	30		2	2			135	3		3				
M.1.B.6	Plasma Physics/Физика плазмы	2				105	60	30		30		45	30			2	2		135	3		3				
M.1.B.7	Program Orientation Course/Введение в специальность				-2	45	15			15		30					1		45	1		1				
M.1.B.8	Plasma Technical Systems/Плазмотехнические системы		3			60	30		15	15		30	30					1	1	90	2		2			
M.1.B.9	Chemistry of High Energies for Inorganic, Organic and Bio-Organic Matters/Химия высоких энергий неорганических, органических и биоорганических соединений				3	150	60	30	30			90	30					2	2	180	4		4			

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		State Examination		1		2		3		Total classroom sessions	Lectons	Laboratory classes	Practical lessons, seminars, exercises, etc.	Practice			Independent study	1 course				2 course									
		1	2	3	4	1	2	3										4	lect	lab.	sem	lect	lab.						sem	lect	n6.
1	2	3		4		5		6	7	8	9	10	11	12	13	14	15		16		17		18		19	20	21	22			

Acting Head of Academic Management Office T. F. Artemenko