LOMONOSOV MOSCOW STATE UNIVERSITY
FACULTY OF PHYSICS
WORKING PLAN
for the 2024/2025 academic year for students of the 2nd year of the Master's program of the Faculty of Physics (Master's degree, full-time study)
student of the program " MM_PHYSICS "(direction 03.04.02 "Physics", MAG. prog. "Physics of Neutrinos and Fundamental Interactions of Elementary Particles")

DISCIPLINES	Full academic load per year	Semester # 3 (18 weeks)										Semester # 4 (12 weeks)									
		Academ. load per semester	self-study	Classroom sessions						Reporting		Academ. load per semester	self-study	Classroom sessions						Reporting	
				in total	per week									in total	per week						
					in total	lectures	seminars	lab	media	test	exam				in total	lectures	seminars	lab	media	test	exam
" Philosophy"																					
Philosophical problems of natural science	108	108	36	72	4	2	2				exam										
Inter-faculty elective courses																					
General questions of teaching physical and mathematical disciplines	72	72	36	36	2	2				test											
The elective part																					
Disciplines of master's program: Neutrino astrophysics, A.V.Grigoriev (semester # 3).	72	72	36	36	2	1	1				exam										
Disciplines of master's program: High-energy astrophysics, K.A.Postnov (semester # 3).	72	72	36	36	2	1	1				exam										
Disciplines of master's program: Experimental neutrino physics, Yu.G.Kudenko (semester # 3).	72	72	36	36	2	1	1			test											
Disciplines of master's program: Electromagnetic neutrino interactions in external fields and dense matter, A.I.Studenikin (semester # 3).	72	72	36	36	2	1	1			test											
Disciplines of master's programs of choice: Neutrino scattering in matter, K.A.Kouzakov; Collider physics, M.N.Dubinin (semester # 3).	72	72	36	36	2	1	1				exam										
Disciplines of master's programs of choice: Advanced quantum physics: The theory of open sistems, K.L.Stankevich; Modern gravity, D.V.Galtsov (semester # 3).	72	72	36	36	2	1	1			test											
Disciplines of master's programs of choice: Coulomb fundamental interaction of particles and its role in quantum physics, Yu.V.Popov; Modern methods of neutrino detection, B.K.Lubsandorzhiev (semester # 3).	72	72	36	36	2	1	1			test											
Pedagogical practice	72	72	72	until 29.12. 17 weeks						test											
Pre-graduate practice	648											648	648	until 04.05. 12 weeks						зач.	
Research work	360	360	360							test											
Research seminar	72											72	36	36	3		3			зач.	

DISCIPLINES	Full academic load per year	Semester # 3 (18 weeks)										Semester # 4 (12 weeks)									
		Academ. load per semester	self-study	Classroom sessions						Reporting		Academ. load per semester	self-study	Classroom sessions						Reporting	
				in total	per week									in total	per week						
					in total	lectures	seminars	lab	media	test	exam				in total	lectures	seminars	lab	media	test	exam
Interdisciplinary exam in the direction of " Physics"	108											108	108								экз.
Preparation and defense of the final qualifying work in the direction of " Physics"	216											216	216								экз.
Total	***2160***	***1116***	***756***	***360***	***20***	***11***	***9***			***7***	***4***	***1044***	***1008***	***36***	***3***		***3***			***2***	***2***

Dean of the Faculty of Physics
Professor