



National Research University Higher School of Economics (HSE)

Curriculum  
Field of study 01.04.01 Mathematics  
Educational Programme "Mathematics"  
Trajectories: "Mathematics"

Implementing unit: Faculty of Informatics, Mathematics and  
Computer Sciences, HSE - Nizhny Novgorod  
2 nd, 2023/2024 academic year

APPROVED  
22.03.2023  
Vice Rector  
ROSHCHIN S.Y.  
Signed with EDS

Length of Programme: 2 years  
Years of Study: 2022/2023 - 2023/2024  
Mode of Study: Full Time  
Degree: Master's degree / MBA

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
	<b>Degree Programme</b>			<b>60,00</b>	<b>2 280</b>	<b>215</b>	<b>104</b>	<b>98</b>	<b>4</b>	<b>9</b>	
	<b>Mathematics (General track)</b>			<b>60,00</b>	<b>2 280</b>	<b>215</b>	<b>104</b>	<b>98</b>	<b>4</b>	<b>9</b>	
	<b>Major</b>			<b>6,00</b>	<b>228</b>	<b>52</b>	<b>28</b>	<b>24</b>			
1	Introduction into General Theory of Relativity	E	Department of Fundamental Mathematics	6,00	228	6	3	3A			Online Course, Foreign language
2	Systems with regular dynamics	E	Department of Fundamental Mathematics	6,00	228	52	28	24A			Foreign language
	<b>Final State Certification (FSC)</b>			<b>3,00</b>	<b>114</b>	<b>2</b>				<b>2</b>	
1	Final Qualification Paper	C		3,00	114	2				2A	Foreign language
	<b>Key Seminars</b>			<b>19,00</b>	<b>722</b>	<b>150</b>	<b>74</b>	<b>72</b>	<b>2</b>	<b>2</b>	
1	Research Seminar " Dynamics of Endomorphisms"	C	Department of Fundamental Mathematics	6,00	228	50	22	28A			Foreign language
2	Research seminar "Introduction to the theory of knots"	C	Department of Fundamental Mathematics	6,00	228	42	28	14A			Foreign language
3	Research Seminar "Modern Theory of Dynamic Chaos"	C	Department of Fundamental Mathematics	6,00	228	50	22	28A			Foreign language
4	Mentor's Seminar	C	Department of Fundamental Mathematics	1,00	38	8	2	2	4A		Foreign language
	<b>Magolego</b>			<b>9,00</b>	<b>342</b>						
1	All-university Pool MAGOLEGO Courses	C		9,00	342						Foreign language
	<b>Internship</b>			<b>23,00</b>	<b>874</b>	<b>11</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>5</b>	
	<b>Research Internship</b>			<b>21,00</b>	<b>798</b>	<b>5</b>				<b>5</b>	
1	Research Internship	C		3,00	114	3				3A	Foreign language
2	Graduation Thesis	C		18,00	684	2				2	Foreign language
	<b>Project Internship</b>			<b>2,00</b>	<b>76</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>2</b>		

1	Research project	C	Department of Fundamental Mathematics	2,00	76	6	2	2	2A		Foreign language
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**Curriculum agreed:**

Academic Supervisor	POCHINKA O.V.	02.03.2023
Dean	ASEEVA N.V.	02.03.2023
Deputy Director	FOMENKOV D.A.	02.03.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	20.03.2023

\* Subject type:

Compulsory course

C

Elective course

E