



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 01.04.02 Applied Mathematics and Informatics

Educational Programme "Data Mining"

Trajectories: "Data Mining"

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	
Degree Programme				60,00	2 280	220	117	91	7	5	
Data Mining (Applied track)				60,00	2 280	220	117	91	7	5	
Major				18,00	684	150	88	62			
1	Optimization: Advanced Level	C		6,00	228	56	28	28A			
2	How to Win a Data Science Competition: Learn from Top Kagglers	C	Department of Applied Mathematics and Information Science	3,00	114	6		6A			Online Course, Foreign language
3	Computational Linguistics	C	Department of Applied Mathematics and Information Science	6,00	228	56	28	28A			
4	Network Structure Analysis	C		3,00	114	32	32A				
Final State Certification (FSC)				6,00	228	2				2	
1	Final Qualification Paper	C		6,00	228	2				2A	
Key Seminars				12,00	456	62	29	29	3	1	
1	Research seminar "Methods of Data Mining and Computational Linguistics"	C		6,00	228	56	28	28A			
2	Project Seminar	C	Department of Applied Mathematics and Information Science	3,00	114	2			2A		
3	Mentor's Seminar	C	Department of Applied Mathematics and Information Science	3,00	114	4	1	1	2A		
Magolego											
1	All-university Pool MAGOLEGO Courses	E									
Internship				24,00	912	6			4	2	

	Research Internship			12,00	456	2				2
1	Research thesis preparation	C		12,00	456	2				2
	Project Internship			6,00	228	2				2
1	Project DM	C		6,00	228	2			2A	
	Professional Internship			6,00	228	2				2
1	Research Internship	C		6,00	228	2			2A	

Curriculum agreed:

Academic Supervisor	BATSYN M.V.	03.03.2023
Dean	ASEEVA N.V.	09.03.2023
Deputy Director	FOMENKOV D.A.	09.03.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	21.03.2023

* Subject type:

Compulsory course

C

Elective course

E