



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 01.04.02 Applied Mathematics and Informatics

Educational Programme "Master of Computer Vision"

Trajectories: "Computer Vision"

Implementing unit: Faculty of Informatics, Mathematics and
Computer Sciences, HSE - Nizhny Novgorod

1 st, 2023/2024 academic year

APPROVED

12.05.2023

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 2 years

Years of Study: 2023/2024 - 2024/2025

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	95	38	26	17	14	
	Computer Vision (Applied track)			60,00	2 280	95	38	26	17	14	
	Major			33,00	1 254	72	36	24	12		
1	Data Analysis and Machine Learning	C	Department of Applied Mathematics and Information Science	6,00	228	12		12A			Online Course, Foreign language
2	Mathematics for computer vision	C	Department of Applied Mathematics and Information Science	6,00	228	18	18A				Online Course, Foreign language
3	2D image processing	C	Department of Data Systems and Technologies	6,00	228	12		12A			Online Course, Foreign language
4	Object-Oriented Programming	C	Department of Data Systems and Technologies	9,00	342	18	18A				Online Course, Foreign language
5	Modern operations research methods	C	Department of Applied Mathematics and Information Science	6,00	228	12			12A		Online Course, Foreign language
	Key Seminars			18,00	684	20	2	2	2	14	
1	Project seminar "Deep learning for computer vision"	C	Department of Applied Mathematics and Information Science	9,00	342	6				6A	Online Course, Foreign language
2	Research seminar "Computer System Architecture"	C	Department of Data Systems and Technologies	6,00	228	6				6A	Online Course, Foreign language
3	Mentor's Seminar	C	Department of Data Systems and Technologies	3,00	114	8	2	2	2	2A	Online Course, Foreign language
	Magolego			3,00	114						
1	All-university Pool MAGOLEGO Courses	C		3,00	114						Foreign language

	Internship			6,00	228	3			3		
	Project Internship			6,00	228	3			3		
1	Machine learning in computer vision	C	Department of Applied Mathematics and Information Science	6,00	228	3			3A		Foreign language

Curriculum agreed:

Academic Supervisor	SAVCHENKO A.V.	14.04.2023
Dean	ASEEVA N.V.	14.04.2023
Deputy Director	FOMENKOV D.A.	17.04.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	05.05.2023

* Subject type:
Compulsory course

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