



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

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	88	26	24	26	12	
	Computer Vision (Applied track)			60,00	2 280	88	26	24	26	12	
	Major			21,00	798	36	12	12	12		
1	Deep Generative Models	C	Department of Applied Mathematics and Information Science	6,00	228	12			12A		Online Course, Foreign language
2	Visual geometry and 3D image processing	C	Department of Data Systems and Technologies	9,00	342	12	12A				Online Course, Foreign language
3	Modern tools for solving computer vision problems	C	Department of Applied Mathematics and Information Science	6,00	228	12		12A			Online Course, Foreign language
	Final State Certification (FSC)			3,00	114	6				6	
1	Final Qualification Paper	C		3,00	114	6				6A	Foreign language
	Key Seminars			15,00	570	38	14	6	12	6	
1	Research seminar "Applied tasks of computer vision"	C	Department of Applied Mathematics and Information Science	6,00	228	8	8A				Foreign language
2	Project seminar "Computer vision for mobile devices"	C	Department of Data Systems and Technologies	6,00	228	6			6A		Online Course, Foreign language
3	Mentor's Seminar	C	Department of Applied Mathematics and Information Science	3,00	114	24	6	6	12A		Foreign language
	Magolego			6,00	228						
1	All-university Pool MAGOLEGO Courses	C		6,00	228						Foreign language
	Internship			15,00	570	8		6	2		
	Project Internship			15,00	570	8		6	2		

1	Term Paper	C		9,00	342	6		6A			Foreign language
2	Research thesis preparation	C		6,00	228	2			2		Foreign language

Curriculum agreed:

Academic Supervisor	SAVCHENKO A.V.	13.03.2023
Dean	ASEEVA N.V.	15.03.2023
Deputy Director	FOMENKOV D.A.	15.03.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	21.03.2023

* Subject type:

Compulsory course

C