



National Research University Higher School of Economics (HSE)

Curriculum
 Field of study 37.04.01 Psychology
 Educational Programme "Cognitive Sciences and Technologies:
 From Neuron to Cognition"
 Trajectories: "Cognitive sciences and technologies: from neuron
 to cognition"
 Implementing unit: Institute for Cognitive Neuroscience, HSE -
 Moscow
 1 st, 2023/2024 academic year

APPROVED
 15.05.2023
 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	578	122	182	174	96	
Cognitive sciences and technologies: from neuron to cognition (Research track)				60,00	2 280	578	122	182	174	96	
Major				48,00	1 824	484	96	160	152	72	
Elective Courses				6,00	228	40	20	20			
1	Calculus	E	Department of Data Analysis and Artificial Intelligence	6,00	228	40	20	20A			Foreign language
2	Some Topics of Calculus, Differential Equations and Nonlinear Dynamics	E	Institute for Cognitive Neuroscience	6,00	228	40	20	20A			Foreign language
Elective Courses				6,00	228	92			44	44	
1	Visual Perception and Attention	E	Institute for Cognitive Neuroscience	3,00	114	44				44A	Foreign language
2	Cognitive Neuroscience	E	Institute for Cognitive Neuroscience	3,00	114	44				44A	Foreign language
3	Mathematical Aspects of EEG and MEG Based Neuroimaging	E	Institute for Cognitive Neuroscience	3,00	114	56			56A		Foreign language
4	Applied Neuroscience	E	Institute for Cognitive Neuroscience	3,00	114	32			32A		Foreign language
Compulsory Courses 1 Year				36,00	1 368	352	76	140	108	28	
1	Introduction to Cognitive Science	C	Institute for Cognitive Neuroscience	6,00	228	56	28	28A			Foreign language
2	Intro to Programming in Python	C	Institute for Cognitive Neuroscience	6,00	228	56			28	28A	Foreign language

3	Qualitative and Quantitative Research Methods in Psychology	C	Institute for Cognitive Neuroscience	6,00	228	72		32	40A		Foreign language
4	Linear Algebra	C	Department of Data Analysis and Artificial Intelligence	6,00	228	40	20	20A			Foreign language
5	Neuroscience	C	Institute for Cognitive Neuroscience	6,00	228	72		32	40A		Foreign language
6	Theory and Methodology of Modern Psychology	C	Institute for Cognitive Neuroscience	6,00	228	56	28	28A			Foreign language
Key Seminars				8,00	304	92	26	22	22	22	
Research Seminar 1 Year				6,00	228	80	20	20	20	20	
1	Research Seminar "Cognitive Sciences"	C	Institute for Cognitive Neuroscience	6,00	228	80	20	20A	20	20A	Foreign language
Mentor's Seminar				2,00	76	12	6	2	2	2	
1	Mentor's Seminar	C	Institute for Cognitive Neuroscience	2,00	76	12	6	2	2	2A	Foreign language
Internship				4,00	152	2				2	
Research Internship				4,00	152	2				2	
1	Курсовая работа	C		4,00	152	2				2A	Foreign language

Curriculum agreed:

Academic Supervisor	ZINCHENKO O.O.	10.05.2023
Dean	SHESTAKOVA A.N.	12.05.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	14.05.2023

* Subject type:

Compulsory course
Elective course

C
E