



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 37.04.01 Psychology,
44.04.01 Pedagogy

Educational Programme "Science of Learning and Assessment"

Trajectories: "Psychometrics and Developmental Science", "Teaching and Assessment"

Implementing unit: Institute of Education, HSE - Moscow

APPROVED

07.05.2025

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Years of Study: 2025/2026 - 2026/2027

Length of Programme: 2 years

Mode of Study: Full Time

Degree: Master's degree / MBA

Block Code	Course	Subject type	Credits	Credits by Years		Planned Educational Programme Development Results
				1	2	
	Degree Programme		120,00	60,00	60,00	
	Teaching and Assessment (Research track)		120,00	60,00	60,00	
	Key Seminars		22,00	11,00	11,00	
1	Research Seminar "Science of Learning and Assessment" (offered in a foreign language)	C	18,00	9,00	9,00	GPC-1.PSY, PC-1, UC-1
2	Mentor's Seminar "Science of Learning and Assessment"	C	4,00	2,00	2,00	GPC-1.PSY, PC-4, UC-1, UC-6
	Internship		26,00	4,00	22,00	
	Free		3,00		3,00	
1	Project (offered in a foreign language)	C	3,00		3,00	GPC-3.PSY, PC-1, PC-3, PC-7, UC-2, UC-3, UC-4, UC-6
	Preparation of the Graduate Thesis		15,00		15,00	
1	Preparation of the Graduation Thesis	C	15,00		15,00	GPC-1.PSY, GPC-2.PED, GPC-4.PSY, GPC-5.PSY, GPC-8.PED, PC-1, PC-15, PC-16, PC-25, PC-4, UC-1, UC-6
	Fixed		8,00	4,00	4,00	
1	Term Paper	C	4,00	4,00		GPC-1.PSY, GPC-2.PSY, PC-1, PC-4, UC-1
2	Work Experience Internship	C	4,00		4,00	GPC-10.PSY, GPC-2.PED, GPC-3.PED, GPC-6.PED, GPC-9.PSY, PC-2, PC-7, PC-9, UC-2
	Major		60,00	42,00	18,00	
	Compulsory Courses		51,00	39,00	12,00	

1	Developmental Science (offered in a foreign language)	C	6,00	6,00		GPC-1.PSY, PC-1, PC-3, PC-5, UC-4
2	Qualitative and Quantitative Research Methods in Psychology (offered in a foreign language)	C	3,00	3,00		GPC-3.PSY, PC-1, PC-3, UC-1, UC-3
3	Methodology of Measurement in Psychology and Education (offered in a foreign language)	C	3,00	3,00		GPC-1.PSY, GPC-2.PSY, GPC-3.PSY, GPC-4.PSY, PC-1, PC-2, PC-4, PC-8, UC-1, UC-2, UC-6
4	Statistics I (offered in a foreign language)	C	9,00	9,00		GPC-1.PSY, GPC-2.PSY, GPC-3.PSY, PC-1, PC-4, UC-1, UC-6
5	Psychometric Theories and Analysis of Test Items (offered in a foreign language)	C	6,00	6,00		GPC-3.PSY, GPC-4.PSY, PC-3, PC-5, PC-8, UC-1, UC-6
6	Test and Questionnaire Development in Psychology and Education (offered in a foreign language)	C	3,00	3,00		GPC-3.PSY, GPC-4.PSY, GPC-5.PSY, PC-1, PC-5, UC-2
7	Behavioral Genetics in Education (offered in a foreign language)	C	6,00		6,00	GPC-5.PSY, GPC-7.PSY, PC-1, PC-3, PC-4, UC-1, UC-4
8	Creating a Personalized Learning Environment	C	3,00		3,00	GPC-2.PED, GPC-6.PED, PC-12, PC-14, PC-16, PC-18, PC-20, PC-21, PC-22, PC-23, UC-1, UC-2, UC-3, UC-5
9	Contemporary Learning Theories	C	3,00		3,00	GPC-2.PED, GPC-4.PED, GPC-8.PED, PC-1, PC-10, PC-11, PC-12, PC-14, PC-4, PC-5, PC-6, UC-1, UC-5
10	Didactics: Introduction to the Theory and Practice of Teaching	C	6,00	6,00		GPC-3.PED, GPC-7.PED, GPC-8.PED, PC-12, PC-13, PC-20, PC-21, UC-5, UC-6
11	Human Psychology and Development	C	3,00	3,00		GPC-3.PED, GPC-6.PED, PC-17, PC-18, PC-21, UC-1, UC-4
	Elective Courses		9,00	3,00	6,00	
1	Introduction to Machine Learning (offered in a foreign language)	E	3,00	3,00		GPC-3.PSY, PC-2, PC-7, UC-1
2	Data Manipulation in R	E	3,00	3,00		GPC-3.PSY, PC-2, UC-1
3	Modern Pedagogy: Introduction to Educational Sciences	E	3,00	3,00		GPC-8.PED, PC-1, PC-4, UC-1
4	Qualitative Methods in Psychology	E	3,00		3,00	GPC-3.PSY, PC-1, PC-3, UC-1, UC-3
5	Research Methods in Cognitive Development (offered in a foreign language)	E	3,00		3,00	GPC-1.PSY, PC-1, PC-3, PC-5, UC-4
6	Typical and Atypical Development	E	3,00		3,00	GPC-5.PSY, GPC-7.PSY, GPC-8.PSY, PC-2, PC-6, UC-1, UC-4
7	Neurosciences in Education	E	3,00		3,00	GPC-3.PED, GPC-4.PED, GPC-6.PED, PC-12, PC-13, PC-16, UC-1, UC-6
	Magolego		9,00	3,00	6,00	

1	All-university Pool MAGOLEGO Courses	E	9,00	3,00	6,00	GPC-1.PSY, GPC-10.PSY, GPC-2.PSY, GPC-3.PSY, GPC-4.PSY, GPC-5.PSY, GPC-6.PSY, GPC-7.PSY, GPC-8.PSY, GPC-9.PSY, PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-15, PC-16, PC-17, PC-18, PC-19, PC-2, PC-20, PC-21, PC-22, PC-23, PC-24, PC-25, PC-26, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
	Final State Certification (FSC)		3,00		3,00	
1	Final Qualification Paper	C	3,00		3,00	GPC-1.PSY, GPC-3.PSY, PC-1, PC-2, PC-3, PC-4, UC-2, UC-4, UC-6
	Psychometrics and Developmental Science (Research track)		120,00	57,00	63,00	
	Key Seminars		22,00	11,00	11,00	
1	Research Seminar "Science of Learning and Assessment" (offered in a foreign language)	C	18,00	9,00	9,00	GPC-1.PSY, PC-1, UC-1
2	Mentor's Seminar "Psychometrics and Neuroscience" (offered in a foreign language)	C	4,00	2,00	2,00	GPC-1.PSY, PC-4, UC-1, UC-6
	Internship		29,00	7,00	22,00	
	Free		9,00	3,00	6,00	
1	Project (offered in a foreign language)	C	9,00	3,00	6,00	GPC-3.PSY, PC-1, PC-3, PC-7, UC-2, UC-3, UC-4, UC-6
	Preparation of the Graduate Thesis		16,00		16,00	
1	Preparation of the Graduation Thesis (offered in a foreign language)	C	16,00		16,00	GPC-1.PSY, GPC-4.PSY, GPC-5.PSY, PC-1, PC-4, UC-1, UC-6
	Fixed		4,00	4,00		
1	Term Paper (offered in a foreign language)	C	4,00	4,00		GPC-1.PSY, GPC-2.PSY, PC-1, PC-4, UC-1
	Major		54,00	33,00	21,00	
	Compulsory Courses		36,00	30,00	6,00	
1	Qualitative and Quantitative Research Methods in Psychology (offered in a foreign language)	C	3,00	3,00		GPC-3.PSY, PC-1, PC-3, UC-1, UC-3
2	Developmental Science (offered in a foreign language)	C	6,00	6,00		GPC-1.PSY, PC-1, PC-3, PC-5, UC-4
3	Methodology of Measurement in Psychology and Education (offered in a foreign language)	C	3,00	3,00		GPC-1.PSY, GPC-2.PSY, GPC-3.PSY, GPC-4.PSY, PC-1, PC-2, PC-4, PC-8, UC-1, UC-2, UC-6
4	Psychometric Theories and Analysis of Test Items (offered in a foreign language)	C	6,00	6,00		GPC-3.PSY, GPC-4.PSY, PC-3, PC-5, PC-8, UC-1, UC-6
5	Statistics I (offered in a foreign language)	C	9,00	9,00		GPC-1.PSY, GPC-2.PSY, GPC-3.PSY, PC-1, PC-4, UC-1, UC-6
6	Basics of R Syntax (offered in a foreign language)	C	3,00	3,00		GPC-3.PSY, PC-2, PC-7, UC-1

7	Behavioral Genetics in Education (offered in a foreign language)	C	6,00		6,00	GPC-5.PSY, GPC-7.PSY, PC-1, PC-3, PC-4, UC-1, UC-4
	Elective Courses		18,00	3,00	15,00	
1	Intro to Programming in Python (offered in a foreign language)	E	3,00	3,00		GPC-3.PSY, PC-2, PC-7, UC-6
2	Test and Questionnaire Development in Psychology and Education (offered in a foreign language)	E	3,00	3,00		GPC-3.PSY, GPC-4.PSY, GPC-5.PSY, PC-1, PC-5, UC-2
3	Research Methods in Cognitive Development (offered in a foreign language)	E	3,00		3,00	GPC-1.PSY, PC-1, PC-3, PC-5, UC-4
4	Psychometrics and Statistics II (offered in a foreign language)	E	6,00		6,00	GPC-3.PSY, GPC-4.PSY, PC-7, PC-8, UC-1, UC-3
5	Artificial Intelligence in Psychometrics (offered in a foreign language)	E	3,00		3,00	GPC-1.PSY, GPC-2.PSY, GPC-3.PSY, GPC-4.PSY, PC-7, UC-1, UC-4
6	Advanced Neuroimaging in Developmental Science (offered in a foreign language)	E	6,00		6,00	GPC-1.PSY, GPC-3.PSY, PC-3, PC-4, PC-5, PC-8, UC-1, UC-6
	Magolego		12,00	6,00	6,00	
1	All-university Pool MAGOLEGO Courses	E	12,00	6,00	6,00	GPC-1.PSY, GPC-10.PSY, GPC-2.PSY, GPC-3.PSY, GPC-4.PSY, GPC-5.PSY, GPC-6.PSY, GPC-7.PSY, GPC-8.PSY, GPC-9.PSY, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
	Final State Certification (FSC)		3,00		3,00	
1	Final Qualification Paper (offered in a foreign language)	C	3,00		3,00	GPC-1.PSY, GPC-2.PSY, PC-1, PC-2, PC-3, PC-4, UC-2, UC-4, UC-6

Curriculum agreed:

Academic Supervisor Грачева Д.А. 30.04.2025

Dean KOBTSEVA A.A. 30.04.2025

Head of Centre for
Educational Model Design LEPESHKIN I.A. 05.05.2025

* Subject type:

Compulsory course C

Elective course E