



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.03.01 Economics

Educational Programme "Economics and Statistics"

Implementing unit: Faculty of Economic Sciences, HSE - Moscow

APPROVED

26.04.2022

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Years of Study: 2022/2023 - 2025/2026

Length of Programme: 4 years

Mode of Study: Full Time

Degree: Bachelor's degree

Block Code	Course	Subject type	Credits	Credits by Years				Planned Educational Programme Development Results
				1	2	3	4	
	Degree Programme		240,00	60,00	60,00	60,00	60,00	
	Major		160,00	46,00	41,00	44,00	29,00	
	Core Professional Block (Major)		109,00	46,00	29,00	29,00	5,00	
1	Mathematical Statistics	C	6,00		6,00			GPC-1, GPC-2, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-5, UC-6
2	Microeconomics-2 (offered in a foreign language)	C	6,00		6,00			GPC-2, GPC-3, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, UC-1, UC-2, UC-4, UC-5, UC-6, UC-9
3	Macroeconomics 1	C	7,00		7,00			GPC-2, GPC-3, GPC-4, GPC-5, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-4, UC-5, UC-6, UC-9
4	Multidimensional Statistical Methods	C	6,00		6,00			GPC-1, GPC-2, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6
5	Statistical Analysis of Non-numerical Information	C	4,00		4,00			GPC-1, GPC-2, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6
6	Russian Economy-2	C	5,00				5,00	GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-2, UC-4, UC-5, UC-9

7	Calculus	C	15,00	15,00				GPC-5, PC-11, PC-3, PC-4, UC-1, UC-2, UC-6
8	Linear Algebra	C	6,00	6,00				GPC-2, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
9	Economic Thinking	C	5,00	5,00				GPC-3, GPC-4, GPC-5, PC-10, PC-4, PC-8, UC-1, UC-4, UC-5, UC-6, UC-9
10	Microeconomics-1	C	7,00	7,00				GPC-2, GPC-3, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, UC-1, UC-2, UC-5, UC-6, UC-9
11	Financial Accounting and Reporting	C	6,00	6,00				GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-7, PC-8, UC-1, UC-10, UC-2, UC-4
12	Probability Theory	C	7,00	7,00				GPC-2, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-3, PC-4, PC-5, PC-8, UC-1, UC-2, UC-6
13	Econometrics	C	12,00			12,00		GPC-1, GPC-2, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6, UC-9
14	Russian Economy-1	C	5,00			5,00		GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-2, UC-4, UC-5, UC-9
15	Macroeconomics 2	C	6,00			6,00		GPC-2, GPC-3, GPC-4, GPC-5, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-4, UC-5, UC-9
16	Economic Statistics	C	6,00			6,00		GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-11, UC-2, UC-4, UC-5
Elective Professional Block (Major)			51,00		12,00	15,00	24,00	
Дисциплины по выбору для 2 курса			12,00		12,00			
1	Demography	E	3,00		3,00			GPC-2, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, UC-1, UC-11, UC-2, UC-4, UC-5, UC-6
2	Differential and Difference Equations	E	6,00		6,00			GPC-5, GPC-6, PC-10, PC-11, PC-4, PC-5, UC-2, UC-6
3	Instrumental Methods for Digital Economics	E	6,00		6,00			GPC-2, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6

4	International Financial Reporting Standards (offered in a foreign language)	E	6,00		6,00		GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-11, UC-2, UC-4, UC-5
5	Private equity and venture capital, funding mechanisms and participants	E	3,00		3,00		GPC-1, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-6, PC-8, UC-9
6	Financial Institutions and Risks	E	3,00		3,00		GPC-1, GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6, UC-9
7	Financial Markets	E	3,00		3,00		GPC-1, GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-10, UC-2, UC-6, UC-9
8	Economic History	E	3,00		3,00		GPC-3, GPC-5, PC-4, PC-6, UC-1, UC-5, UC-6, UC-9
9	Essentials of Programming and Database	E	3,00		3,00		GPC-2, GPC-5, GPC-6, PC-1, PC-10, PC-2, PC-3, PC-5, PC-7, UC-1, UC-2, UC-6
10	Global value chains and competitiveness	E	3,00		3,00		GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-12, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-2, UC-6
Дисциплины по выбору для 3 курса			15,00			15,00	
1	Professional Participants in Financial Markets	E	3,00			3,00	GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-10, UC-6, UC-9
2	Raising Capital in the Stock Market	E	3,00			3,00	GPC-1, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-9
3	Decision Making in the Problems of Digital Economics under Risk and Uncertainty	E	3,00			3,00	GPC-1, GPC-2, GPC-4, GPC-5, GPC-6, PC-10, PC-11, PC-12, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-2, UC-4, UC-6, UC-9
4	Dynamic Optimization in Economics and Finance	E	3,00			3,00	GPC-4, GPC-5, GPC-6, PC-10, PC-11, PC-3, PC-4, PC-5, UC-9
5	Stochastic Processes	E	6,00			6,00	GPC-2, GPC-5, GPC-6, PC-10, PC-11, PC-12, PC-4, PC-6, UC-1, UC-2, UC-6
6	Game Theory	E	6,00			6,00	GPC-2, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6, UC-9
7	Insurance and Actuarial Methods	E	3,00			3,00	GPC-1, GPC-2, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6, UC-9

8	Population and Development	E	6,00			6,00	GPC-2, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-4, UC-5, UC-6
9	Financial Economics (offered in a foreign language)	E	6,00			6,00	GPC-2, GPC-3, GPC-4, GPC-5, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-4, UC-6, UC-9
10	Corporate Finance (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-2, GPC-4, GPC-5, PC-10, PC-11, PC-12, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-6, UC-9
11	Management Accounting (offered in a foreign language)	E	3,00			3,00	GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6, UC-9
12	International Financial Reporting Standards (offered in a foreign language)	E	3,00			3,00	GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-2, UC-4, UC-5, UC-6, UC-9
13	Financial Institutions and Risks	E	3,00			3,00	GPC-1, GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6, UC-9
	Дисциплины по выбору для 4 курса		21,00			21,00	
1	Social Statistics	C	4,00			4,00	GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-11, UC-2, UC-4, UC-5
2	Big Data Analysis in Insurance	E	3,00			3,00	GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-4, PC-5, PC-7, PC-8, UC-9
3	Russian Accounting Standards, its Analysis and Application	E	3,00			3,00	GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-10, UC-2, UC-4, UC-6, UC-9
4	Financial Accounting, Reporting, Analysis and Auditing of Bank Operations	E	3,00			3,00	GPC-4, GPC-5, PC-10, PC-11, PC-2, PC-3, PC-5, PC-6, PC-7, UC-10, UC-9
5	Valuation of the Company	E	3,00			3,00	GPC-1, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-9
6	Investment Management	E	3,00			3,00	GPC-1, GPC-2, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6, UC-9
7	Banking	E	6,00			6,00	GPC-4, GPC-5, PC-10, PC-11, PC-12, PC-2, PC-6, UC-9

8	Tax System of Russia	E	3,00				3,00	GPC-4, GPC-5, PC-10, PC-12, PC-2, PC-6, PC-8, UC-9
9	Risk Management	E	3,00				3,00	GPC-1, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-4, PC-5, PC-6, PC-8, UC-9
10	Management Accounting (offered in a foreign language)	E	3,00				3,00	GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6, UC-9
11	Financial Institutions and Risks	E	3,00				3,00	GPC-1, GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6, UC-9
12	International Financial Reporting Standards (offered in a foreign language)	E	6,00				6,00	GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-2, UC-4, UC-5, UC-6, UC-9
13	Human Migration	E	3,00				3,00	GPC-2, GPC-5, PC-10, PC-11, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-5, UC-6
14	Global Demographic Issues	E	3,00				3,00	GPC-2, GPC-5, PC-10, PC-4, PC-5, PC-7, UC-1, UC-11, UC-2, UC-5, UC-6
15	Economics of Information (offered in a foreign language)	E	3,00				3,00	GPC-2, GPC-3, GPC-4, GPC-5, GPC-6, PC-10, PC-11, PC-12, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-5, UC-6, UC-9
16	Financial Stability and Financial Crises	E	3,00				3,00	GPC-1, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-4, PC-6, PC-8, UC-9
17	Statistical Modelling of Social and Economic Processes	E	3,00				3,00	GPC-1, GPC-2, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, 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
18	Data Mining	E	3,00				3,00	GPC-2, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6
19	Smart Methods for Information Analysis	E	3,00				3,00	GPC-2, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6
20	Actuarial Calculations in Life Insurance	E	3,00				3,00	GPC-2, GPC-4, GPC-5, GPC-6, PC-10, PC-11, PC-12, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-11, UC-2, UC-6, UC-9

21	Models of Financial Markets	E	3,00				3,00	GPC-1, GPC-2, GPC-4, GPC-5, GPC-6, PC-10, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-5, UC-6, UC-9
22	Dynamic Optimization in Economics and Finance	E	6,00				6,00	GPC-4, GPC-5, GPC-6, PC-10, PC-11, PC-3, PC-4, PC-5, UC-9
23	Decision Making in the Problems of Digital Economics under Risk and Uncertainty	E	3,00				3,00	GPC-1, GPC-2, GPC-4, GPC-5, GPC-6, PC-10, PC-11, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-2, UC-4, UC-6, UC-9
24	Machine Learning	E	5,00				5,00	GPC-5, GPC-6, PC-10, PC-11, PC-3, PC-4, PC-5
25	Derivatives	E	3,00				3,00	GPC-2, GPC-5, GPC-6, PC-10, PC-11, PC-12, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6, UC-9
26	Financial Markets Analysis	E	3,00				3,00	GPC-1, GPC-4, GPC-5, GPC-6, PC-10, PC-11, PC-2, PC-4, PC-5, PC-6, PC-7, PC-8, UC-9
27	Raising Capital in the Stock Market	E	3,00				3,00	GPC-1, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-9
28	Professional Participants in Financial Markets	E	3,00				3,00	GPC-2, GPC-4, GPC-5, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-10, UC-6, UC-9
	Research seminar		3,00				3,00	
1	Methodological Research Seminar	C	3,00				3,00	GPC-2, GPC-5, GPC-6, PC-10, PC-4, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6
	Internship		33,00		5,00	5,00	23,00	
	Professional Internship		6,00				6,00	
1	Graduation Internship	C	6,00				6,00	GPC-1, GPC-2, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6, UC-7, UC-8
	Project Internship		27,00		5,00	5,00	17,00	
1	Preparation of Graduation Thesis	C	12,00				12,00	GPC-2, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-4, UC-5, UC-6
2	Project	C	5,00		5,00			GPC-1, GPC-2, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, 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
3	Project	C	5,00			5,00		GPC-1, GPC-2, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, 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

4	Project	C	5,00				5,00	GPC-1, GPC-2, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, 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
	Research Internship							
	General Courses		14,00	9,00	1,00		4,00	
	Core General Courses		2,00	1,00	1,00			
1	Safe Living Basics	C	1,00	1,00				GPC-5, PC-10, UC-10, UC-11, UC-2, UC-3, UC-8
2	Physical Training	C	1,00		1,00			GPC-5, PC-10, UC-11, UC-3, UC-7, UC-8
	Optional General Courses		12,00	8,00			4,00	
1	Elective General Courses	E	4,00	4,00				GPC-6, UC-6
2	Legal Literacy	C	4,00	4,00				GPC-5, PC-10, PC-2, PC-6, UC-10, UC-2, UC-4, UC-5, UC-8
3	Philosophy	C	4,00				4,00	GPC-5, PC-4, UC-1, UC-11, UC-4, UC-5
	Minor		20,00		10,00	10,00		
1	Minor	C	20,00		10,00	10,00		GPC-5, PC-10, PC-4, PC-8, UC-6
	English		1,00				1,00	
	Examinations		1,00				1,00	
1	Independent English Exam (offered in a foreign language)	C						GPC-5, PC-10, PC-8, UC-4, UC-6
2	Project Proposal (offered in a foreign language)	C	1,00				1,00	GPC-4, GPC-5, PC-10, PC-8, UC-4, UC-6
3	English Language Integrative Exam (offered in a foreign language)	C						GPC-5, PC-10, PC-8, UC-4, UC-6
	Optional Courses							
1	English (offered in a foreign language)	O	8,00	8,00				GPC-5, PC-10, PC-8, UC-4, UC-5, UC-6
2	English (offered in a foreign language)	O	6,00		6,00			GPC-5, PC-10, PC-8, UC-4, UC-5, UC-6
3	Academic English Writing (offered in a foreign language)	O	2,00				2,00	GPC-5, PC-10, PC-4, PC-5, PC-8, UC-10, UC-4, UC-5, UC-6
	Data Culture		9,00	5,00	3,00	1,00		
1	Independent Programming Test. Intermediate	C						GPC-5, GPC-6, PC-10, PC-11, PC-3, PC-8, UC-10, UC-6
2	External Examinations on Digital Skills. Entry-level	C						GPC-5, GPC-6
3	External Examinations on Digital Skills. Intermediate Level	C						GPC-5, GPC-6
4	External Examinations on Digital Skills. Final Level	C						GPC-5, GPC-6
5	Introduction into Python	C	3,00		3,00			GPC-5, GPC-6, PC-10, PC-3, PC-5, PC-7, UC-2, UC-6
6	Independent Digital Literacy Test	C						GPC-5, GPC-6, PC-1, PC-3, PC-5, PC-7, UC-1, UC-10, UC-2, UC-6
7	Independent Data Science Test. Intermediate	C	1,00			1,00		GPC-5, GPC-6, PC-10, PC-11, PC-3, PC-8, UC-10, UC-6
8	Introduction to Statistics and Data Processing Tools	C	5,00	5,00				GPC-5, GPC-6, PC-1, PC-3, PC-5, PC-7, UC-1, UC-10, UC-2, UC-6
	Final State Certification (FSC)		3,00				3,00	

	Thesis Work		3,00				3,00	
1	Presenting of Graduation Thesis	C	3,00				3,00	GPC-5, GPC-6, PC-10, PC-11, PC-12, PC-3, PC-4, PC-8, UC-4, UC-6
	State Examinations							

Curriculum agreed:

Academic Supervisor SIROTIN V.P. 14.04.2022

Dean PEKARSKIY S.E. 17.04.2022

Head of Centre for
Educational Model Design LEPESHKIN I.A. 25.04.2022

* Subject type:

Compulsory course C

Elective course E

Optional course O