



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
30.04.2021
Vice Rector
ROSHCHIN S.Y.
Signed with EDS

Years of Study: 2020/2021 - 2023/2024

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	44,00	41,00	45,00	30,00	
	Core Professional Block (Major)		100,00	41,00	29,00	30,00		
	Subject Areas		100,00	41,00	29,00	30,00		
	Mathematical Analysis		15,00	15,00				
1	Calculus	C	15,00	15,00				GPC-3, PC-11, PC-3, PC-4, UC-1, UC-2, UC-6
	Linear Algebra		5,00	5,00				
1	Linear Algebra	C	5,00	5,00				GPC-2, GPC-3, PC-1, PC-10, PC-11, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
	Probability Theory and Mathematical Statistics		23,00	7,00	16,00			
1	Probability Theory	C	7,00	7,00				GPC-2, GPC-3, PC-1, PC-10, PC-11, PC-3, PC-4, PC-5, PC-8, UC-1, UC-2, UC-6
2	Multidimensional Statistical Methods	C	6,00		6,00			GPC-1, GPC-2, GPC-3, GPC-4, 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
3	Statistical Analysis of Non-numerical Information	C	4,00		4,00			GPC-1, GPC-2, GPC-3, GPC-4, 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
4	Mathematical Statistics	C	6,00		6,00			GPC-1, GPC-2, GPC-3, GPC-4, 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

	Microeconomics		17,00	11,00	6,00		
1	Microeconomics-1	C	7,00	7,00			GPC-1, GPC-2, GPC-3, 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
2	Financial Accounting and Reporting	C	4,00	4,00			GPC-1, GPC-2, GPC-3, GPC-4, 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
3	Microeconomics-2 (offered in a foreign language)	C	6,00		6,00		GPC-1, GPC-2, GPC-3, GPC-4, 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
	Macroeconomics		28,00	3,00	7,00	18,00	
1	Economic Thinking	C	3,00	3,00			PC-10, PC-4, PC-8, UC-1, UC-4, UC-5, UC-9
2	Macroeconomics 1	C	7,00		7,00		GPC-1, GPC-2, GPC-3, 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
3	Macroeconomics-2	C	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, 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	Economic Statistics	C	7,00			7,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
5	Russian Economy	C	5,00			5,00	GPC-1, GPC-2, GPC-3, GPC-4, 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, UC-6
	Econometrics		12,00			12,00	
1	Econometrics	C	12,00			12,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
	Elective Professional Block (Major)		60,00	3,00	12,00	15,00	30,00
	Дисциплины по выбору для 2 курса		12,00		12,00		
1	Differential and Difference Equations	E	5,00		5,00		GPC-1, GPC-3, PC-10, PC-11, PC-4, PC-5, UC-2, UC-6
2	Instrumental Methods for Digital Economics	E	5,00		5,00		GPC-1, GPC-2, GPC-3, GPC-4, 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

3	Demography	E	4,00		4,00		GPC-1, GPC-2, GPC-3, GPC-4, 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
4	Financial Markets	E	3,00		3,00		GPC-1, GPC-2, GPC-3, GPC-4, 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
5	Essentials of Programming and Database	E	3,00		3,00		GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-2, PC-3, PC-5, PC-7, UC-1, UC-2, UC-6
6	Financial Institutions and Risks	E	3,00		3,00		GPC-1, GPC-2, GPC-3, GPC-4, 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
7	Russia and the World Economic Development in the 20th Century (offered in a foreign language)	E	5,00		5,00		GPC-1, PC-4, PC-6, UC-5
8	International Financial Reporting Standards (offered in a foreign language)	E	5,00		5,00		GPC-1, GPC-2, GPC-3, GPC-4, 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-9
Дисциплины по выбору для 3 курса			15,00		15,00		
1	Game Theory	E	6,00		6,00		GPC-1, GPC-2, GPC-3, GPC-4, 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
2	Professional Participants in Financial Markets	E	3,00		3,00		GPC-1, GPC-2, GPC-3, GPC-4, 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-9
3	Corporate Finance (offered in a foreign language)	E	3,00		3,00		GPC-1, GPC-2, GPC-3, GPC-4, 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-9
4	Financial Economics (offered in a foreign language)	E	6,00		6,00		GPC-1, GPC-2, GPC-3, GPC-4, 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-9
5	Management Accounting	E	3,00		3,00		GPC-1, GPC-2, GPC-3, GPC-4, 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
6	Insurance and Actuarial Methods	E	3,00		3,00		GPC-1, GPC-2, GPC-3, GPC-4, 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-9

7	Decision Making in the Problems of Digital Economics under Risk and Uncertainty	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-2, UC-4, UC-9
8	International Financial Reporting Standards (offered in a foreign language)	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, 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-9
9	Raising Capital in the Stock Market	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
10	Population and Development	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
11	Stochastic Processes	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-4, PC-6, UC-1, UC-2, UC-6
12	Dynamic Optimization in Economics and Finance	E	6,00			6,00	GPC-1, GPC-3, GPC-4, PC-4, UC-4, UC-9
Дисциплины по выбору для 4 курса			27,00			27,00	
1	Smart Methods for Information Analysis	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
2	Data Mining (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
3	Actuarial Calculations in Life Insurance	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
4	Basics of Auditing the Financial Reports	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, 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-4, UC-9
5	Russian Accounting Standards, its Analysis and Application	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
6	Global Demographic Issues	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-4, PC-5, PC-7, UC-1, UC-11, UC-2, UC-5, UC-6
7	Human Migration	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-5, UC-6

8	Models of Financial Markets	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-5, UC-6, UC-9
9	Economics of Information (offered in a foreign language)	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
10	Investment Management	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
11	Derivatives	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6, UC-9
12	International Financial Reporting Standards (offered in a foreign language)	E	6,00				6,00	GPC-1, GPC-2, GPC-3, GPC-4, 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	Management Accounting	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
14	Financial Institutions and Risks	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
15	Decision Making in the Problems of Digital Economics under Risk and Uncertainty	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
16	Dynamic Optimization in Economics and Finance	E	6,00				6,00	GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-3, PC-4, PC-5, UC-4, UC-6, UC-9
17	Financial Markets Analysis	E	6,00				6,00	GPC-1, PC-10, PC-11, PC-2, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6, UC-9
18	Financial Stability and Financial Crises (offered in a foreign language)	E	3,00				3,00	GPC-1, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-4, PC-6, UC-1, UC-2, UC-6, UC-9
19	Banking	E	6,00				6,00	GPC-1, GPC-4, PC-10, PC-11, PC-12, PC-2, PC-6, UC-1, UC-2, UC-4, UC-6, UC-9
20	Valuation of the Company (offered in a foreign language)	E	6,00				6,00	GPC-1, GPC-2, 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-6
21	Tax System of Russia	E	3,00				3,00	GPC-1, GPC-4, PC-10, PC-12, PC-2, PC-6, PC-8, UC-1, UC-10, UC-2, UC-4, UC-6

22	Risk Management	E	6,00				6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-4, PC-5, PC-6, PC-8, UC-1, UC-2, UC-6, UC-9
23	Machine Learning	E	6,00				6,00	GPC-2, GPC-3, PC-10, PC-11, PC-3, PC-4, PC-5, UC-1, UC-2, UC-6
24	Financial Accounting, Reporting, Analysis and Auditing of Bank Operations	E	6,00				6,00	GPC-2, GPC-4, PC-10, PC-11, PC-2, PC-3, PC-5, PC-6, PC-7, UC-1, UC-10, UC-2, UC-4, UC-6, UC-9
25	Raising Capital in the Stock Market	E	3,00				3,00	GPC-1, GPC-2, GPC-4, 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-6
26	Professional Participants in Financial Markets	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
27	Stochastic Processes	E	6,00				6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-4, PC-6, UC-1, UC-2, UC-6
28	Big Data Analysis in Insurance	E	3,00				3,00	GPC-1, GPC-4, PC-1, PC-10, PC-11, PC-4, PC-5, PC-7, PC-8, UC-1, UC-2, UC-6, UC-9
29	Social Statistics	E	6,00				6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, UC-1, UC-10, UC-11, UC-2, UC-4, UC-5
30	Crime and Punishment: Economic and Social Studies of Law Enforcement)	E	6,00				6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-7, PC-8, UC-1, UC-10, UC-11, UC-2, UC-6, UC-9
31	Labour Economics	E	6,00				6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-10, UC-2, UC-3, UC-6
32	Management Consulting for Applied Business Cases	E	6,00				6,00	GPC-1, PC-10, PC-11, PC-12, PC-6, PC-7, UC-1, UC-2, UC-6
33	Behavioral Economics (offered in a foreign language)	E	3,00				3,00	GPC-1, GPC-2, GPC-3, PC-10, PC-2, PC-3, PC-9, UC-1, UC-2, UC-3, UC-6
	Научно - исследовательские семинары		6,00	3,00			3,00	
1	Methodological Research Seminar	C	3,00				3,00	GPC-1, GPC-2, GPC-3, PC-10, PC-4, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6
2	Исследовательский проектный семинар	E	3,00	3,00				GPC-1, GPC-2, GPC-3, GPC-4, 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-6
	Internship		39,00	7,00	5,00	5,00	22,00	
	Professional Internship		11,00	5,00			6,00	

1	Graduation Internship	C	6,00				6,00	GPC-1, GPC-2, GPC-3, GPC-4, 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
2	Term Paper	C	5,00	5,00				GPC-1, GPC-2, GPC-3, GPC-4, 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
	Project Internship		28,00	2,00	5,00	5,00	16,00	
1	Preparation of Graduation Thesis	C	14,00				14,00	GPC-1, GPC-2, GPC-3, GPC-4, 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	E	2,00	2,00				GPC-1, GPC-2, GPC-3, GPC-4, 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-3, GPC-4, 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-3, GPC-4, 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
5	Project	C	2,00				2,00	GPC-1, GPC-2, GPC-3, GPC-4, 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	Physical Training	C	1,00		1,00			PC-10, UC-11, UC-3, UC-7, UC-8
2	Safe Living Basics	C	1,00	1,00				GPC-1, PC-10, UC-10, UC-11, UC-2, UC-3, UC-8
	Optional General Courses		12,00	8,00			4,00	
1	Philosophy	C	4,00				4,00	GPC-1, PC-4, UC-11, UC-4, UC-5
2	Law	C	4,00	4,00				GPC-1, PC-10, PC-2, PC-6, UC-10, UC-2, UC-4, UC-5, UC-8
3	Economic History	C	4,00	4,00				GPC-1, PC-4, PC-6, UC-1, UC-5, UC-9
	Minor		20,00		10,00	10,00		
1	Minor	E	20,00		10,00	10,00		GPC-1, GPC-4, PC-10, PC-4, PC-8, UC-6
	English		1,00				1,00	
	Examinations		1,00				1,00	
1	Project Proposal (offered in a foreign language)	C	1,00				1,00	GPC-1, PC-10, PC-8, UC-4

