



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.03.01 Economics  
Educational Programme "Economics"

Implementing unit: Faculty of Economic Sciences, HSE - Moscow

APPROVED  
22.04.2021  
Vice Rector  
ROSHCHIN S.Y.  
Signed with EDS

Years of Study: 2021/2022 - 2024/2025

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		157,00	47,00	38,00	38,00	34,00	
	Core Professional Block (Major)		91,00	44,00	23,00	20,00	4,00	
	Subject Areas		91,00	44,00	23,00	20,00	4,00	
	Mathematical Analysis		15,00	15,00				
	Математический анализ		9,00	9,00				
1	Calculus 1	C	9,00	9,00				GPC-3, PC-2, PC-3, PC-6, PC-7, UC-2, UC-6
2	Calculus 1 (advanced course)	C	9,00	9,00				GPC-3, PC-2, PC-3, PC-6, PC-7, UC-2, UC-6
	Математика для экономистов		6,00	6,00				
1	Mathematics for Economists	C	6,00	6,00				GPC-3, PC-2, PC-3, PC-6, PC-7, UC-2, UC-6
2	Mathematics for Economists (advanced course)	C	6,00	6,00				GPC-3, PC-2, PC-3, PC-6, PC-7, UC-2, UC-6
	Linear Algebra		6,00	6,00				
	Дисциплина по выбору		6,00	6,00				
1	Linear Algebra	C	6,00	6,00				GPC-3, PC-2, PC-3, PC-6, PC-7, UC-2, UC-6
2	Linear Algebra (advanced course)	C	6,00	6,00				GPC-3, PC-2, PC-3, PC-6, PC-7, UC-2, UC-6
	Probability Theory and Mathematical Statistics		15,00	5,00	10,00			
1	Basics of Statistical Monitoring	C	5,00	5,00				GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6

2	Probabilities Theory and Math Statistics 1	E	5,00		5,00			GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6
3	Probabilities Theory and Math Statistics 1 (Advanced course)	E	5,00		5,00			GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6
4	Probability and Statistics 2	C	5,00		5,00			GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6
5	Probabilities and Math Statistics 2 (Advanced course)	C	5,00		5,00			GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6
	Microeconomics		19,00	13,00	6,00			
	Microeconomics - 1		7,00	7,00				
1	Microeconomics-1	E	7,00	7,00				GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
2	Microeconomics-1 (advanced course)	E	7,00	7,00				GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
	Compulsory Courses		6,00	6,00				
1	Financial Accounting and Reporting	C	6,00	6,00				GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, PC-8, UC-1, UC-2, UC-6
	Микроэкономика-2		6,00		6,00			
1	Microeconomics-2 (offered in a foreign language)	E	6,00		6,00			GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
2	Microeconomics-2 (advanced course) (offered in a foreign language)	E	6,00		6,00			GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
	Macroeconomics		26,00	5,00	7,00	10,00	4,00	
	Compulsory Courses		13,00	5,00		4,00	4,00	
1	Russian Economy-1	C	4,00			4,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, UC-1, UC-2, UC-6
2	Russian Economy-2	C	4,00				4,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, UC-2, UC-6
3	Economic Thinking	C	5,00	5,00				GPC-1, PC-2, PC-3, UC-1, UC-2, UC-6
	Макроэкономика-1		7,00		7,00			
1	Macroeconomics 1	E	7,00		7,00			GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
2	Macroeconomics-1 (advanced course)	E	7,00		7,00			GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
	Макроэкономика-2		6,00			6,00		
1	Macroeconomics-2	C	6,00			6,00		GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
2	Macroeconomics-2 (advanced course)	C	6,00			6,00		GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
	Econometrics		10,00			10,00		

	Econometrics 1		6,00			6,00	
1	Econometrics 1	C	6,00			6,00	GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, UC-1, UC-2, UC-6
2	Econometrics 1 (Advanced course)	C	6,00			6,00	GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, UC-1, UC-2, UC-6
	Econometrics 2		4,00			4,00	
1	Econometrics 2	C	4,00			4,00	GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, UC-1, UC-2, UC-6
2	Econometrics 2 (Advanced course)	C	4,00			4,00	GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, UC-1, UC-2, UC-6
	Elective Professional Block (Major)		66,00	3,00	15,00	18,00	30,00
	Дисциплины по выбору 1 курс		3,00	3,00			
1	Calculus 2	E	3,00	3,00			GPC-3, PC-2, PC-3, PC-6, PC-7, UC-2, UC-6
2	Financial Markets	E	3,00	3,00			GPC-1, GPC-2, GPC-4, PC-1, PC-10, PC-11, PC-2, PC-3, PC-5, PC-8, PC-9, UC-1, UC-2, UC-3, UC-6
3	Economic History	E	3,00	3,00			UC-5, UC-6
	Дисциплины по выбору 2 курс		9,00		9,00		
1	Applied Market Design (offered in a foreign language)	E	3,00		3,00		GPC-1, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6
2	International Financial Reporting Standards (offered in a foreign language)	E	6,00		6,00		GPC-1, GPC-2, GPC-3, 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-4, UC-6
3	Additional Chapters of Macroeconomics-1	E	3,00		3,00		GPC-1, GPC-2, PC-10, PC-4, PC-7, UC-1, UC-2, UC-6
4	Digital Transformations in HR Management	E	3,00		3,00		GPC-1, GPC-3, PC-10, PC-5, PC-6, PC-7, UC-11, UC-6
5	Financial Institutions and Risks	E	3,00		3,00		GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-11, PC-2, PC-3, PC-5, PC-8, PC-9, UC-1, UC-2, UC-3, UC-6
6	Differential and Difference Equations	E	6,00		6,00		GPC-1, GPC-3, PC-5, PC-6, PC-7, UC-6
7	Instrumental Methods for Digital Economics	E	6,00		6,00		GPC-1, GPC-3, PC-1, PC-10, PC-2, PC-3, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
8	Private equity and venture capital, funding mechanisms and participants	E	3,00		3,00		GPC-1, GPC-2, GPC-4, PC-1, PC-10, PC-11, PC-2, PC-3, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-3, UC-6
9	Professional Participants in Financial Markets	E	3,00		3,00		GPC-1, GPC-2, PC-1, PC-10, PC-3, PC-4, PC-5, PC-8, PC-9, UC-1, UC-2, UC-3, UC-6

10	Financial Markets	E	3,00		3,00		GPC-1, GPC-2, GPC-4, PC-1, PC-10, PC-11, PC-2, PC-3, PC-5, PC-8, UC-1, UC-2, UC-3, UC-6
11	Economic Demography	E	6,00		6,00		GPC-1, GPC-2, GPC-3, PC-1, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
12	Calculus 2	E	3,00		3,00		GPC-3, PC-2, PC-3, PC-6, PC-7, UC-1, UC-2, UC-6
13	Introduction to Discrete Mathematics	E	3,00		3,00		GPC-1, GPC-2, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
14	Economic History	E	3,00		3,00		GPC-1, PC-1, PC-3, PC-5, UC-5, UC-6
15	Global value chains and competitiveness	E	3,00		3,00		UC-1
	<b>Дисциплины по выбору 3 курс</b>		<b>18,00</b>		<b>18,00</b>		
	<b>Блок 1. Инструментальные дисциплины</b>		<b>3,00</b>		<b>3,00</b>		
1	Introduction to Discrete Mathematics	E	3,00		3,00		GPC-1, GPC-2, PC-10, PC-5, PC-6, PC-7, UC-6
2	Dynamic Optimization in Economics and Finance	E	6,00		6,00		GPC-1, GPC-2, GPC-3, PC-10, PC-4, PC-6, PC-7, UC-6
3	Differential and Difference Equations	E	6,00		6,00		GPC-1, GPC-3, PC-5, PC-6, PC-7, UC-6
4	Instrumental Methods for Digital Economics	E	6,00		6,00		GPC-1, GPC-3, PC-10, PC-5, PC-6, PC-7, UC-6
5	Calculus 2	E	3,00		3,00		GPC-3, PC-1, PC-3, PC-5, PC-6, PC-7, UC-2, UC-6
6	Machine Learning	E	6,00		6,00		GPC-1, GPC-3, PC-10, PC-15, PC-16, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
7	Decision Making in the Problems of Digital Economics under Risk and Uncertainty	E	3,00		3,00		GPC-1, GPC-2, PC-10, PC-4, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
8	Stochastic Processes	E	6,00		6,00		GPC-1, GPC-3, PC-10, PC-3, PC-4, PC-5, PC-6, PC-7, UC-6
9	Game Theory	E	6,00		6,00		GPC-1, PC-10, PC-4, PC-5, PC-6, UC-2, UC-6
10	Machine Learning 1	E	6,00		6,00		GPC-1, GPC-3, PC-10, PC-15, PC-16, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
	<b>Block 2. Economic and Financial Courses</b>		<b>15,00</b>		<b>15,00</b>		
1	Digital Transformations in HR Management	E	3,00		3,00		GPC-1, GPC-3, PC-10, PC-11, PC-4, PC-5, PC-6, PC-7, PC-9, UC-11, UC-6
2	Agricultural Economics	E	3,00		3,00		GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6
3	Big Data in Macroeconomic Analysis	E	3,00		3,00		GPC-1, GPC-2, PC-1, PC-2, PC-3, PC-4, UC-1, UC-2, UC-6
4	Introduction to Economics of Digital Platforms	E	6,00		6,00		GPC-1, GPC-2, GPC-3, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6
5	Global value chains and competitiveness	E	3,00		3,00		GPC-1, GPC-2, PC-10, PC-9, UC-1, UC-2, UC-6

6	Additional Chapters of Macroeconomics-2	E	3,00			3,00	GPC-1, GPC-2, PC-10, PC-4, PC-7, UC-2, UC-6
7	Institutional Economics	E	6,00			6,00	GPC-1, GPC-2, PC-4, PC-7, PC-9, UC-1, UC-2, UC-6
8	Corporate Finance (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-5, UC-6
9	International Trade (offered in a foreign language)	E	6,00			6,00	GPC-1, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-5, UC-6
10	International Financial Reporting Standards (offered in a foreign language)	E	6,00			6,00	GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-6
11	International Finance (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-5, UC-6
12	Monetary Economics	E	3,00			3,00	GPC-1, PC-1, PC-5, PC-6, PC-8, UC-1, UC-2, UC-6
13	Tail Risks and Global Economic Policy (offered in a foreign language)	E	3,00			3,00	GPC-1, PC-1, PC-2, PC-5, UC-1, UC-4
14	Industrial Organization (offered in a foreign language)	E	6,00			6,00	GPC-1, PC-1, PC-2, PC-5, UC-1, UC-2, UC-6
15	Political Economy (offered in a foreign language)	E	3,00			3,00	GPC-1, PC-10, PC-4, PC-7, UC-1, UC-2, UC-6
16	Raising Capital in the Stock Market	E	3,00			3,00	GPC-1, GPC-2, GPC-4, PC-1, PC-10, PC-2, PC-3, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-6
17	Applied Market Design (offered in a foreign language)	E	3,00			3,00	GPC-1, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6
18	Crime and Punishment: Economic and Social Studies of Law Enforcement)	E	6,00			6,00	GPC-1, PC-1, PC-10, PC-5, UC-1, UC-10, UC-11, UC-2, UC-6
19	Private equity and venture capital, funding mechanisms and participants	E	3,00			3,00	GPC-1, GPC-2, PC-1, PC-10, PC-3, PC-5, PC-8, PC-9, UC-1, UC-2, UC-3, UC-6
20	Professional Participants in Financial Markets	E	3,00			3,00	GPC-1, GPC-2, PC-1, PC-10, PC-3, PC-4, PC-5, PC-8, PC-9, UC-1, UC-2, UC-3, UC-6
21	Socioeconomics	E	6,00			6,00	GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-9, UC-1, UC-2, UC-3, UC-6
22	Industrial Policy: Modern Practices and Lessons	E	3,00			3,00	GPC-1, GPC-2, GPC-4, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-8, PC-9, UC-1, UC-2, UC-3, UC-5, UC-6
23	Recent Advances in Auction Theory (offered in a foreign language)	E	3,00			3,00	GPC-1, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6

24	Management Accounting	E	3,00			3,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-6
25	Financial Stability and Financial Crises (offered in a foreign language)	E	3,00			3,00	GPC-1, PC-10, PC-4, PC-7, UC-1, UC-2, UC-6
26	Financial Economics (offered in a foreign language)	E	6,00			6,00	GPC-1, GPC-2, GPC-3, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6
27	Financial Institutions and Risks	E	3,00			3,00	GPC-1, GPC-2, GPC-4, PC-1, PC-10, PC-11, PC-2, PC-3, PC-5, PC-8, PC-9, UC-1, UC-2, UC-3, UC-6
28	Financial Markets	E	3,00			3,00	GPC-1, GPC-2, GPC-4, PC-10, PC-11, PC-2, PC-3, PC-5, PC-8, PC-9, UC-1, UC-2, UC-3, UC-6
29	Economics of Information (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-3, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6
30	Public Economics (offered in a foreign language)	E	6,00			6,00	GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-7, PC-9, UC-1, UC-11, UC-2, UC-6, UC-9
31	Labour Economics	E	6,00			6,00	GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, UC-1, UC-10, UC-11, UC-2, UC-6, UC-9
32	Economic Demography	E	6,00			6,00	GPC-1, GPC-2, GPC-3, PC-1, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
33	Economic History	E	3,00			3,00	GPC-1, PC-1, PC-2, PC-3, UC-5, UC-6
34	Economic Applications of Machine Learning (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-3, PC-1, PC-15, PC-16, PC-2, PC-6, UC-1, UC-2, UC-6
35	Economic Growth: Lessons from the Past (offered in a foreign language)	E	6,00			6,00	GPC-1, PC-4, PC-7, UC-5, UC-6
36	Economic Growth and Development (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-2, PC-1, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6
37	Social Economic Statistics	E	6,00			6,00	GPC-2, GPC-4, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6
38	Management Consulting for Applied Business Cases	E	6,00			6,00	GPC-1, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-14, PC-3, PC-8, PC-9, UC-1, UC-2, UC-9
39	Behavioral Economics (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-2, GPC-3, PC-10, PC-13, PC-16, PC-2, PC-3, PC-6, UC-1, UC-2, UC-3, UC-6
	Дисциплины по выбору 4 курс		27,00			27,00	
	Block 1. Economic and Financial Courses		21,00			21,00	
1	Agricultural Economics	E	3,00			3,00	GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6

2	Financial Markets Analysis	E	6,00				6,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-8, UC-1, UC-2, UC-6
3	Introduction to Economics of Digital Platforms	E	6,00				6,00	GPC-1, GPC-2, GPC-3, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6
4	Global value chains and competitiveness	E	3,00				3,00	GPC-1, GPC-2, PC-10, PC-9, UC-1, UC-2, UC-6
5	Actuarial Calculations in Life Insurance	E	6,00				6,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-8, UC-1, UC-2, UC-6
6	Banking	E	6,00				6,00	GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-8, PC-9, UC-1, UC-2, UC-4, UC-6
7	Investment Management	E	3,00				3,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-6
8	Institutional Economics	E	6,00				6,00	GPC-1, GPC-2, PC-4, PC-7, PC-9, UC-1, UC-2, UC-6
9	Corporate Finance (offered in a foreign language)	E	3,00				3,00	GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-5, UC-6
10	International Trade (offered in a foreign language)	E	6,00				6,00	GPC-1, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-5, UC-6
11	International Financial Reporting Standards (offered in a foreign language)	E	6,00				6,00	GPC-1, GPC-2, GPC-3, 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-4, UC-6
12	International Finance (offered in a foreign language)	E	3,00				3,00	GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-5, UC-6
13	Models of Individual in Economics	E	3,00				3,00	GPC-1, PC-10, PC-3, PC-4, UC-1, UC-10, UC-2, UC-6, UC-9
14	Tax System of Russia	E	3,00				3,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-5, PC-8, PC-9, UC-1, UC-2, UC-4, UC-6
15	Organization of Insurance Operations	E	6,00				6,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-8, PC-9, UC-1, UC-2, UC-6
16	Tail Risks and Global Economic Policy (offered in a foreign language)	E	3,00				3,00	GPC-1, PC-1, PC-2, PC-5, UC-1, UC-4
17	Industrial Organization (offered in a foreign language)	E	6,00				6,00	GPC-1, GPC-2, PC-10, PC-2, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6
18	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-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-6
19	Behavioral Economics (offered in a foreign language)	E	3,00				3,00	GPC-3, PC-8, UC-1, UC-2, UC-6

20	Political Economy (offered in a foreign language)	E	3,00				3,00	GPC-1, PC-10, PC-4, PC-7, UC-1, UC-10, UC-11, UC-2, UC-6
21	Crime and Punishment: Economic and Social Studies of Law Enforcement)	E	6,00				6,00	GPC-1, PC-1, PC-10, PC-5, UC-1, UC-2, UC-6
22	Raising Capital in the Stock Market	E	6,00				6,00	GPC-1, GPC-2, GPC-4, PC-1, PC-10, PC-11, PC-2, PC-3, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-6
23	Applied Market Design (offered in a foreign language)	E	3,00				3,00	GPC-1, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6
24	Derivatives	E	3,00				3,00	GPC-1, GPC-2, PC-10, PC-4, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
25	Exchange market infrastructure	E	3,00				3,00	GPC-2, GPC-3, PC-10, PC-4, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-3, UC-6
26	Private equity and venture capital, funding mechanisms and participants	E	3,00				3,00	GPC-1, GPC-2, GPC-4, PC-1, PC-10, PC-11, PC-2, PC-3, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-6
27	Risk Management	E	6,00				6,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-8, UC-1, UC-2, UC-6
28	Socioeconomics	E	6,00				6,00	GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-9, UC-1, UC-2, UC-3, UC-6
29	Industrial Policy: Modern Practices and Lessons	E	3,00				3,00	GPC-1, GPC-2, GPC-4, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-8, PC-9, UC-1, UC-2, UC-3, UC-5, UC-6
30	Advanced Machine Learning and AI Models: Applications in Economics and Finance	E	3,00				3,00	GPC-1, GPC-3, PC-10, PC-15, PC-16, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
31	Recent Advances in Auction Theory (offered in a foreign language)	E	3,00				3,00	GPC-1, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6
32	Management Accounting	E	3,00				3,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-6
33	Financial Accounting, Reporting, Analysis and Auditing of Bank Operations	E	6,00				6,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-8, PC-9, UC-1, UC-2, UC-6
34	Financial Stability and Financial Crises (offered in a foreign language)	E	3,00				3,00	GPC-1, PC-10, PC-4, PC-7, UC-1, UC-2, UC-6
35	Financial Economics (offered in a foreign language)	E	6,00				6,00	GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-5, UC-6
36	Financial Institutions and Risks	E	3,00				3,00	GPC-1, GPC-2, GPC-4, PC-1, PC-10, PC-11, PC-2, PC-3, PC-5, PC-8, PC-9, UC-1, UC-2, UC-3, UC-6
37	Financial Markets	E	3,00				3,00	GPC-1, GPC-2, GPC-4, PC-1, PC-10, PC-11, PC-2, PC-3, PC-5, PC-8, PC-9, UC-1, UC-2, UC-3, UC-6



38	Digital Transformations in HR Management	E	3,00				3,00	GPC-1, GPC-3, PC-10, PC-11, PC-4, PC-5, PC-6, PC-7, PC-9, UC-11, UC-6
39	Economics of Information (offered in a foreign language)	E	3,00				3,00	GPC-1, GPC-3, PC-10, PC-4, PC-6, PC-7, UC-1, UC-2, UC-6
40	Public Economics	E	6,00				6,00	GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-7, PC-9, UC-1, UC-11, UC-2, UC-6, UC-9
41	Labour Economics	E	6,00				6,00	GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, UC-1, UC-10, UC-11, UC-2, UC-6, UC-9
42	Economic Demography	E	6,00				6,00	GPC-1, GPC-2, GPC-3, PC-1, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
43	Economic History	E	3,00				3,00	GPC-1, PC-1, PC-2, PC-3, UC-5, UC-6
44	Economic Applications of Machine Learning (offered in a foreign language)	E	3,00				3,00	GPC-1, GPC-3, PC-1, PC-15, PC-16, PC-2, PC-6, UC-1, UC-2, UC-6
45	Economics of Social Problems	E	6,00				6,00	GPC-1, GPC-2, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-8, UC-1, UC-11, UC-2, UC-6, UC-9
46	Economic Growth and Development (offered in a foreign language)	E	3,00				3,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-6
47	Economic Growth: Lessons from the Past (offered in a foreign language)	E	6,00				6,00	GPC-1, PC-4, PC-7, UC-5, UC-6
48	Big Data Analysis in Insurance	E	3,00				3,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-8, UC-1, UC-2, UC-6
49	Big Data in Macroeconomic Analysis	E	3,00				3,00	GPC-1, GPC-2, PC-1, PC-2, PC-3, PC-4, UC-1, UC-2, UC-6
50	Development Economics (offered in a foreign language)	E	3,00				3,00	GPC-2, PC-8, PC-9, UC-1, UC-2, UC-4, UC-6
Block 2. Instrumental Courses			6,00				6,00	
1	Analysis of Panel and State Duration Data	E	6,00				6,00	GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
2	Introduction to Discrete Mathematics	E	3,00				3,00	GPC-1, GPC-2, PC-10, PC-5, PC-6, PC-7, UC-6
3	Dynamic Optimization in Economics and Finance	E	6,00				6,00	GPC-1, GPC-2, GPC-3, PC-10, PC-4, PC-6, PC-7, UC-6
4	Times Series Econometrics (offered in a foreign language)	E	6,00				6,00	GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
5	Game Theory	E	6,00				6,00	GPC-1, PC-10, PC-4, PC-5, PC-6, PC-7, UC-2, UC-6
6	Quality and Limited Dependent Variables	E	6,00				6,00	GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6

7	Differential and Difference Equations	E	6,00				6,00	GPC-1, GPC-3, PC-5, PC-6, PC-7, UC-6
8	Calculus 2	E	3,00				3,00	GPC-3, PC-1, PC-3, PC-5, PC-6, PC-7, UC-2, UC-6
9	Stochastic Processes	E	6,00				6,00	GPC-1, GPC-3, PC-10, PC-3, PC-4, PC-5, PC-6, PC-7, UC-6
10	Instrumental Methods for Digital Economics	E	6,00				6,00	GPC-1, GPC-3, PC-10, PC-5, PC-6, PC-7, UC-6
11	Decision Making in the Problems of Digital Economics under Risk and Uncertainty	E	3,00				3,00	GPC-1, GPC-2, PC-10, PC-4, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
12	Machine Learning	E	6,00				6,00	GPC-1, GPC-3, PC-10, PC-15, PC-16, PC-5, PC-6, PC-7, UC-1, UC-2, UC-6
13	Deep Learning for Natural Language Processing	E	5,00				5,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-6
14	Bayesian Methods for Machine Learning	E	5,00				5,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-6
	Проектная и научно-исследовательская работа		3,00				3,00	
1	Methodological Research Seminar	C	3,00				3,00	GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-15, PC-16, 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
	Базовый вариативный		6,00		6,00			
1	History of Economic Doctrines	C	3,00		3,00			GPC-1, PC-4, UC-1, UC-2, UC-6
2	Economic thought of the XX-XXI centuries	C	3,00		3,00			GPC-1, PC-4, UC-1, UC-2, UC-6
	Internship		32,00		5,00	5,00	22,00	
	Project Internship		12,00		5,00	5,00	2,00	
1	Project	C	5,00		5,00			GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-15, PC-16, PC-2, PC-3, PC-4, PC-5, PC-9, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6, UC-8
2	Project	C	5,00			5,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-15, PC-16, PC-2, PC-3, PC-4, PC-5, PC-9, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6, UC-8
3	Project	C	2,00				2,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-15, PC-16, PC-2, PC-3, PC-4, PC-5, PC-9, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6, UC-8
	Research Internship		20,00				20,00	

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-13, PC-14, PC-15, PC-16, PC-2, PC-3, PC-4, PC-5, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6
2	Preparation of Graduation Thesis	C	14,00				14,00	GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-15, PC-16, PC-2, PC-3, PC-4, PC-5, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6
	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			UC-3, UC-7
2	Safe Living Basics	C	1,00	1,00				GPC-4, UC-8
	Optional General Courses		12,00	8,00		4,00		
1	Philosophy	C	4,00			4,00		UC-2, UC-4, UC-5, UC-6
2	Legal Literacy	C	4,00	4,00				GPC-4, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6
3	Sociology	C	4,00	4,00				PC-1, PC-9, UC-1, UC-2, UC-3
	Minor		20,00		10,00	10,00		
1	Minor	C	20,00		10,00	10,00		GPC-1, PC-10, PC-4, PC-6, PC-9, UC-1, UC-2, UC-4
	English		1,00				1,00	
	Examinations		1,00				1,00	
1	Independent English Exam (offered in a foreign language)	C						GPC-1, UC-4, UC-5
2	Project Proposal (offered in a foreign language)	C	1,00				1,00	GPC-1, PC-10, PC-9, UC-4, UC-5
3	English Language Integrative Exam (offered in a foreign language)	C						GPC-1, UC-4, UC-5
	Optional Courses							
1	Academic Writing (offered in a foreign language)	O	2,00				2,00	PC-16, UC-10, UC-8
2	English (offered in a foreign language)	O	8,00	8,00				GPC-1, PC-10, PC-8, PC-9, UC-1, UC-4, UC-5
3	English (offered in a foreign language)	O	6,00		6,00			GPC-1, PC-10, PC-8, PC-9, UC-1, UC-4, UC-5
	Data Culture		13,00	4,00	6,00	3,00		
1	Machine Learning in Economics	C	3,00			3,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-15, PC-16, PC-2, PC-5, PC-6, PC-7, UC-1, UC-2, UC-9
2	Independent Digital Literacy Test	C						GPC-1, GPC-2, GPC-3, PC-2, PC-5, PC-6, PC-7, UC-1, UC-2
3	Independent Programming Test. Intermediate	C						GPC-1, GPC-2, GPC-3, PC-15, PC-2, PC-5, PC-6, PC-7, UC-1, UC-2
4	Introduction into Python	C	4,00	4,00				GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-11, PC-15, PC-16, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6

5	Independent Data Science Test. Intermediate	C	1,00		1,00		GPC-1, GPC-2, GPC-3, PC-15, PC-2, PC-5, PC-6, PC-7, UC-1, UC-2
6	Data Analysis in Python	C	5,00		5,00		GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-11, PC-15, PC-16, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, 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-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-15, PC-16, 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

**Curriculum agreed:**

Academic Supervisor	BUKIN K.A.	13.04.2021
Dean	PEKARSKIY S.E.	13.04.2021
Head of Centre for Educational Model Design	LEPESHKIN I.A.	19.04.2021

\* Subject type:

Compulsory course	C
Elective course	E
Optional course	O