



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.04.01 Economics

Educational Programme "Economic Analysis"

Trajectories: "Data Analysis in Economics and Finance", "Economic Analysis in Public Policy and Business"

Implementing unit: Faculty of Economic Sciences, HSE - Moscow

APPROVED

26.04.2024

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Years of Study: 2024/2025 - 2025/2026

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 |  |
|            | General Components   |              | 12,00   | 12,00            |       |  |
|            | Key Seminars   |              |         |                  |       |  |
|            | Internship   |              |         |                  |       |  |
|            | Major  |              | 12,00   | 12,00            |       |  |
|            | Compulsory Courses   |              | 12,00   | 12,00            |       |  |
| 1          | Microeconomics   | C            | 6,00    | 6,00             |       | GPC-1.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-2, PC-3, PC-5, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6 |
| 2          | Econometrics   | C            | 6,00    | 6,00             |       | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, PC-1, PC-4, UC-1, UC-2, UC-3, UC-4, UC-6             |
|            | Magolego   |              |         |                  |       |  |
|            | Economic Analysis in Public Policy and Business (General track)  |              | 120,00  | 60,00            | 60,00 |  |
|            | Key Seminars   |              | 27,00   | 15,00            | 12,00 |  |
| 1          | Mentor's Seminar "Economic Analysis for Government and Business" | C            | 27,00   | 15,00            | 12,00 | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, PC-2, PC-4, PC-6, UC-1, UC-2, UC-3, UC-4, UC-6       |
|            | Internship   |              | 45,00   | 18,00            | 27,00 |  |
|            | Project Internship   |              | 30,00   | 18,00            | 12,00 |  |

|   |  |   |       |       |       |   |
|---|--|---|-------|-------|-------|---|
| 1 | Project  | C | 18,00 | 18,00 |       | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-6 |
| 2 | Project  | C | 12,00 |       | 12,00 | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-6 |
|   | Research Internship  |   | 15,00 |       | 15,00 |   |
| 1 | Preparation of the Final Qualifying Work                             | C | 15,00 |       | 15,00 | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-6 |
|   | Major  |   | 30,00 | 24,00 | 6,00  |   |
|   | Elective Courses   |   | 12,00 | 6,00  | 6,00  |   |
|   | Elective Courses 1st year  |   | 6,00  | 6,00  |       |   |
| 1 | Quantitative Methods of Economic Analysis                            | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, PC-2, PC-3, PC-4, PC-5, UC-1, UC-2, UC-3, UC-4, UC-6                        |
| 2 | Time Series Analysis-1   | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-5.ECN, PC-2, PC-3, PC-4, PC-5, UC-1, UC-6  |
| 3 | Evaluation of the Effectiveness of Programs with State Participation | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-3.ECN, PC-1, PC-3, PC-6, UC-1, UC-6  |
| 4 | Mathematics for Economists (offered in a foreign language)           | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, PC-2, UC-1, UC-2, UC-3, UC-4, UC-6  |
| 5 | International Financial Reporting Standards                          | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-3.ECN, PC-1, PC-6, UC-1, UC-6  |
| 6 | Time Series Analysis-2   | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-5.ECN, PC-2, PC-3, PC-4, PC-5, UC-1, UC-6  |
| 7 | Corporate Finance  | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-3.ECN, PC-1, PC-6, UC-1, UC-6  |
|   | Elective courses 2 year  |   | 6,00  |       | 6,00  |   |
| 1 | Macroeconomics of Financial Markets                                  | E | 3,00  |       | 3,00  | GPC-1.ECN, GPC-3.ECN, PC-2, PC-3, PC-4, PC-6, UC-1, UC-6  |
| 2 | Russian Economy-1  | E | 3,00  |       | 3,00  | GPC-1.ECN, GPC-3.ECN, PC-2, PC-3, PC-4, UC-1, UC-6  |
| 3 | Public Economics   | E | 3,00  |       | 3,00  | GPC-1.ECN, GPC-3.ECN, PC-2, PC-3, PC-4, UC-1, UC-6  |
| 4 | Monetary Policy  | E | 3,00  |       | 3,00  | GPC-1.ECN, GPC-3.ECN, GPC-4.ECN, PC-2, PC-3, PC-4, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6                             |

|  |   |   |        |       |       |   |
|--|---|---|--------|-------|-------|---|
| 5  | Russian Economy-2   | E | 3,00   |       | 3,00  | GPC-1.ECN, GPC-3.ECN, PC-2, PC-3, PC-4, UC-1, UC-6  |
| 6  | Industrial Organization Theory                            | E | 3,00   |       | 3,00  | GPC-1.ECN, GPC-3.ECN, PC-2, PC-3, PC-4, UC-1, UC-6  |
| 7  | Growth and Development                                    | E | 3,00   |       | 3,00  | GPC-3.ECN, GPC-4.ECN, PC-2, PC-3, PC-4, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6  |
| 8  | Fiscal Policy   | E | 3,00   |       | 3,00  | GPC-1.ECN, GPC-3.ECN, GPC-4.ECN, PC-2, PC-3, PC-4, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6                                   |
| 9  | Personnel Economics                                       | E | 3,00   |       | 3,00  | GPC-1.ECN, GPC-3.ECN, PC-2, PC-3, PC-4, UC-1, UC-6  |
| Compulsory Courses                                     |   |   | 6,00   | 6,00  |       |   |
| 1  | Macroeconomics  | C | 6,00   | 6,00  |       | GPC-1.ECN, PC-2, PC-3, PC-4, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6   |
| Magolego   |   |   | 15,00  | 3,00  | 12,00 |   |
| 1  | All-university Pool MAGOLEGO Courses                      | E | 15,00  | 3,00  | 12,00 | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, 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.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-2, PC-4, UC-1, UC-6   |
| Data Analysis in Economics and Finance (General track) |   |   | 120,00 | 60,00 | 60,00 |   |
| Key Seminars   |   |   | 27,00  | 15,00 | 12,00 |   |
| 1  | Mentor's Seminar "Data Analysis in Economics and Finance" | C | 27,00  | 15,00 | 12,00 | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, PC-1, PC-2, PC-4, UC-1, UC-2, UC-3, UC-4, UC-6                                    |
| Internship   |   |   | 45,00  | 18,00 | 27,00 |   |
| Project Internship                                     |   |   | 30,00  | 18,00 | 12,00 |   |
| 1  | Project   | C | 18,00  | 18,00 |       | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6 |
| 2  | Project   | C | 12,00  |       | 12,00 | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-6       |
| Research Internship                                    |   |   | 15,00  |       | 15,00 |   |
| 1  | Preparation of the Final Qualifying Work                  | C | 15,00  |       | 15,00 | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6 |

|   |  |   |       |       |       |   |
|---|--|---|-------|-------|-------|---|
|   | Major  |   | 30,00 | 24,00 | 6,00  |   |
|   | Compulsory Courses   |   | 6,00  | 6,00  |       |   |
| 1 | Macroeconomics   | C | 6,00  | 6,00  |       | GPC-1.ECN, GPC-3.ECN, GPC-4.ECN, PC-2, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6   |
|   | Elective Courses   |   | 12,00 | 6,00  | 6,00  |   |
|   | Elective Courses 1st year  |   | 6,00  | 6,00  |       |   |
| 1 | Quantitative Methods of Economic Analysis                            | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, PC-1, PC-5, UC-1, UC-2, UC-3, UC-4, UC-6  |
| 2 | Time Series Analysis-1   | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-5.ECN, PC-1, PC-5, UC-1, UC-6  |
| 3 | Evaluation of the Effectiveness of Programs with State Participation | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-3.ECN, PC-4, UC-1, UC-6  |
| 4 | Mathematics for Economists (offered in a foreign language)           | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, PC-5, UC-1, UC-2, UC-3, UC-4, UC-6   |
| 5 | Time Series Analysis-2   | E | 3,00  | 3,00  |       | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-5.ECN, PC-1, PC-5, UC-1, UC-6  |
| 6 | Machine Learning for Economists                                      | E | 3,00  | 3,00  |       | GPC-2.ECN, GPC-5.ECN, PC-1, PC-5, UC-1  |
|   | Elective courses 2 year  |   | 6,00  |       | 6,00  |   |
| 1 | Microeconometrics  | E | 3,00  |       | 3,00  | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, PC-1, UC-1, UC-2, UC-3, UC-4, UC-6  |
| 2 | Application of Machine Learning in Macroeconomics                    | E | 3,00  |       | 3,00  | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, PC-1, PC-5, UC-1, UC-2, UC-3, UC-4, UC-6  |
| 3 | Panel Data Analysis  | E | 3,00  |       | 3,00  | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, PC-1, PC-2, UC-1, UC-2, UC-3, UC-4, UC-6  |
| 4 | Optimization and Agent-Based Models of Economic Processes            | E | 3,00  |       | 3,00  | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, PC-1, PC-3, PC-5, UC-1, UC-6   |
| 5 | Personnel Economics  | E | 3,00  |       | 3,00  | GPC-1.ECN, GPC-3.ECN, PC-6, UC-1, UC-6  |
| 6 | Financial Econometrics   | E | 3,00  |       | 3,00  | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-5.ECN, PC-1, UC-1, UC-6  |
|   | Magolego   |   | 15,00 | 3,00  | 12,00 |   |
| 1 | All-university Pool MAGOLEGO Courses                                 | E | 15,00 | 3,00  | 12,00 | GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, 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.ECN, GPC-2.ECN, GPC-3.ECN,<br>GPC-4.ECN, GPC-5.ECN, PC-2, UC-1,<br>UC-6 |
|   | Degree Programme          |   |      |  |      |   |

**Curriculum agreed:**

Academic Supervisor VAKULENKO E.S. 22.04.2024

Dean PEKARSKIY S.E. 24.04.2024

Head of Centre for Educational Model Design LEPESHKIN I.A. 25.04.2024

\* Subject type:

Compulsory course C

Elective course E