



National Research University Higher School of Economics (HSE)

Curriculum
Field of study 01.04.02 Applied Mathematics and Informatics
Educational Programme "UX Analytics and Information System Design"

Trajectories: "UX Analytics and Information Systems Design"
Implementing unit: St. Petersburg School of Mathematics,
Physics and Computer Science, HSE, HSE - Saint Petersburg
2 nd, 2023/2024 academic year

APPROVED
17.03.2023

Vice Rector
ROSHCHIN S.Y.
Signed with EDS

Length of Programme: 2 years
Years of Study: 2022/2023 - 2023/2024
Mode of Study: Full Time
Degree: Master's degree / MBA

| Block Code | Course | Subject type | Department | Credits | Total Academic Hours | Contact Hours | Allocation of Contact Hours | | | | Additional Information |
|------------|--|--------------|---------------------------|--------------|----------------------|---------------|-----------------------------|-----------|-----------|-----------|---------------------------------|
| | | | | | | | 1 | 2 | 3 | 4 | |
| | Degree Programme | | | 60,00 | 2 280 | 176 | 72 | 68 | 22 | 14 | |
| | UX Analytics and Information Systems Design (Applied track) | | | 60,00 | 2 280 | 176 | 72 | 68 | 22 | 14 | |
| | Major | | | 21,00 | 798 | 112 | 52 | 52 | 8 | | |
| | Major Basic Block | | | 9,00 | 342 | 48 | 20 | 20 | 8 | | |
| 1 | IT Business Analyst | C | Informatics Department | 3,00 | 114 | 8 | | | 8A | | Online Course, Foreign language |
| 2 | System Analysis and Complex Information System Design | C | Informatics Department | 6,00 | 228 | 40 | 20 | 20A | | | |
| | Major Elective Block 2 (2 out of 5) | | | 12,00 | 456 | 64 | 32 | 32 | | | |
| 1 | Game Design and Analytics | E | Informatics Department | 6,00 | 228 | 48 | 24 | 24A | | | |
| 2 | Natural Language Processing and Conversational Design | E | Informatics Department | 6,00 | 228 | 44 | 24 | 20A | | | |
| 3 | Dashboards and Analytical Systems Design | E | Informatics Department | 6,00 | 228 | 20 | 8 | 12A | | | Online Course |
| 4 | Recommender Systems | E | Department of Mathematics | 6,00 | 228 | 24 | 12 | 12A | | | |
| 5 | Human-machine Interface | E | Informatics Department | 6,00 | 228 | 44 | 24 | 20A | | | |
| | Final State Certification (FSC) | | | 3,00 | 114 | 4 | | | | 4 | |
| 1 | Final Qualification Paper | C | | 3,00 | 114 | 4 | | | | 4A | |
| | Key Seminars | | | 9,00 | 342 | 56 | 20 | 16 | 12 | 8 | |
| 1 | Research Seminar "Design Research at HCI" | C | Informatics Department | 6,00 | 228 | 28 | 16 | 12A | | | |
| 2 | Mentor's Seminar | C | Informatics Department | 3,00 | 114 | 28 | 4 | 4 | 12 | 8A | |
| | Magolego | | | 6,00 | 228 | | | | | | |
| 1 | All-university Pool MAGOLEGO Courses | E | | 6,00 | 228 | | | | | | |
| | Internship | | | 21,00 | 798 | 4 | | | 2 | 2 | |

| | | | | | | | | | | | |
|---|---------------------------------------|---|--|--------------|------------|----------|--|--|----------|----------|--|
| | Research Internship | | | 18,00 | 684 | 2 | | | | 2 | |
| 1 | Preparation of Post Graduation Thesis | E | | 18,00 | 684 | 2 | | | | 2 | |
| | Project Internship | | | 21,00 | 798 | 4 | | | 2 | 2 | |
| 1 | Preparation of post graduation thesis | E | | 18,00 | 684 | 2 | | | | 2 | |
| 2 | Project | E | | 3,00 | 114 | 2 | | | 2A | | |

Curriculum agreed:

| | | |
|---|----------------|------------|
| Academic Supervisor | SUVOROVA A.V. | 28.02.2023 |
| Dean | | 28.02.2023 |
| Deputy Director | KUZMIN P.V. | 28.02.2023 |
| Head of Centre for Educational Model Design | LEPESHKIN I.A. | 15.03.2023 |

* Subject type:

Compulsory course

C

Elective course

E