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| Discipline | Semester | Type | Credits | Comment |
| History and Philosophy of Science  | 1,2 | obligatory | 2 |  |
| Foreign Language | 1,2 | obligatory | 3 |  |
| Interdisciplinary Studies of Cognitive Processes | 5,6 | obligatory | 2 |  |
| Applied psychophysiological research | 2 | elective | 1 | Choose 5 credits |
| Theory and Methodology of Cognitive Science | 3 | elective | 1 |
| Scientific network resources. Information support of scientific publications | 2 | elective | 1 |
| Methods of research of the cognitive processes | 2,4,5 | elective | 3 |
| Practice for obtaining professional skills and experience of professional activity (research practice) | 5 | obligatory | 3 |  |

**> 100 Facultatives** - you can choose any (max 5 credits)

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|  | Discipline | Semester | Credits |
|  | Russian. Stylistics of scientific text | 2 | 2 |
|  | Psychology and pedagogy of higher education and scientific activity | 3 | 2 |
|  | Scientometrics. Evaluation of the effectiveness of scientific activity | 3 | 1 |
|  | Scientific network resources. Information support of scientific publications | 4 | 1 |
|  | Applied Communication and Rhetoric | 4 | 1 |
|  | The system of competitive financing of science. Preparation of grant applications | 3 | 1 |
|  | System of scientific certification in Russia | 3 | 1 |
|  | Effective leadership and leadership | 3 | 1 |
|  | Commercialization of R&D results | 4 | 1 |
|  | Physics of high-frequency and optical discharges | 5 | 2 |
|  | Numerical modeling of electrostatic fields | 5 | 2 |
|  | Localization of energy in discrete wave systems | 5 | 2 |
|  | Waves in random media | 5 | 2 |
|  | 4th and 5th generation mobile communication systems: WiFi, LTE, and 5G NR | 5 | 2 |
|  | Physics of semiconductor devices | 6 | 2 |
|  | Wave scattering and diffraction of fluctuating radiation | 6 | 2 |
|  | Constructive role of noise in nonlinear non-equilibrium systems | 6 | 2 |
|  | Physics of nonlinear random waves | 3 | 2 |
|  | Modern problems of ocean acoustics | 3 | 2 |
|  | Ultrasound examinations in biology and medicine | 4 | 2 |
|  | Acoustics of random media | 4 | 1 |
|  | Selected Condensed Matter Physics | 4 | 2 |
|  | Modern methods of X-ray optics | 3 | 1 |
|  | Actual problems of crystallography and the theory of pseudosymmetry | 4 | 1 |
|  | Growing crystals from high-temperature solutions (flux method) | 5 | 1 |
|  | Modern methods of X-ray fluorescence elemental analysis | 6 | 1 |
|  | Interdisciplinary Problems in Materials Science | 3 | 1 |
|  | Actual problems of the theory of defects of the crystal lattice | 4 | 1 |
|  | Actual problems of the theory of diffusion and phase transformations in solids | 6 | 1 |
|  | Physical metallurgy and new technologies for obtaining nano- and ultrafine-grained materials | 5 | 1 |
|  | Modern methods of mathematical modeling in continuum mechanics and physical materials science | 5 | 1 |
|  | Actual problems of the theory of optical phenomena in semiconductors and semiconductor structures | 4 | 1 |
|  | Modern numerical methods in the physics of nanostructures | 5 | 1 |
|  | New electronic and spin effects in semiconductor structures and graphene | 6 | 1 |
|  | Two-dimensional electron gas in a quantizing magnetic field | 3 | 1 |
|  | Modern computational methods in electromagnetic compatibility problems | 3 | 1 |
|  | Modern information-optimal methods and models in the problems of signal and image processing | 4 | 1 |
|  | Modern methods for determining the location of radiation sources | 6 | 1 |
|  | Actual problems of modern electronics and nanoelectronics | 3 | 1 |
|  | Solid State Electronics | 3 | 1 |
|  | Theory and calculation of solid-state active elements | 3 | 1 |
|  | Modern methods of optical spectroscopy of solid-state structures and bulk materials | 3 | 1 |
|  | Spin-dependent phenomena in solids | 4 | 1 |
|  | Magnetic resonances in solids | 5 | 1 |
|  | Laser- and ion-beam methods in nanotechnology | 4 | 1 |
|  | Legal aspects of information security in the context of globalization | 4 | 1 |
|  | Theory and practice of interaction between national and international law | 4 | 1 |
|  | Theory and practice of modern collective security | 4 | 1 |
|  | Problems of constitutionalism | 5 | 1 |
|  | Actual problems of the civil process | 4 | 1 |
|  | Actual problems of labor law | 3 | 1 |
|  | Actual problems of private law regulation of land relations | 4 | 1 |
|  | Actual problems of forensic examinations | 4 | 1 |
|  | Actual problems of forensic economic expertise | 4 | 1 |
|  | Actual problems of speech expertise | 4 | 1 |
|  | Scientific basis for the qualification of crimes | 4 | 1 |
|  | Methodology of The Science of Criminal Procedure | 4 | 1 |
|  | Features of financial accounting and reporting by branches of economic activity in the digital economy | 1 | 1 |
|  | Modern information and communication technologies in the field of accounting and reporting | 2 | 1 |
|  | Auditing, control, and audit in the digital economy | 4 | 1 |
|  | Applied Statistical Research in the Digital Economy | 3 | 1 |
|  | Modern information and communication technologies in the field of economic analysis | 3 | 1 |
|  | Modern concepts of financial management | 1 | 1 |
|  | International Finance in the Global Economy | 5 | 1 |
|  | Art-therapeutic technologies in the educational process | 2 | 1 |
|  | Diagnosis of individual development of the child | 5 | 1 |
|  | Psycholinguistics Methods for the Study of Digital Communication | 2 | 1 |
|  | Narrative approach in socio-psychological research | 5 | 1 |
|  | Psychodiagnostics of age-related features | 2 | 1 |
|  | Cultural-historical and subject-activity paradigm in psychology | 5 | 1 |
|  | Macroeconomic sociology | 2 | 2 |
|  | Sociology of Financial Behavior | 3 | 2 |
|  | Preparation of scientific publications in English for publication in foreign periodicals | 2 | 2 |
|  | Media sociology | 3 | 1 |
|  | Sociology of Social Organizations | 4 | 1 |
|  | Content analysis of sociological information | 4 | 1 |
|  | Problems of communication in the socio-cultural context | 2 | 1 |
|  | Employment and Unemployment in Modern Russia | 5 | 2 |
|  | Crisis management, management conflicts and mediation | 3 | 1 |
|  | Sociology of Social Organizations and Management | 4 | 1 |
|  | Ancient Classical Languages | 3 | 2 |
|  | Foreign Language (Arabic) | 1 | 2 |
|  | Foreign language (Turkish) | 2 | 2 |
|  | Foreign language (German) | 3 | 2 |
|  | Foreign language (French) | 4 | 2 |
|  | Foreign Language (Chinese) | 5 | 2 |
|  | Communicative models in Russian literature | 4 | 1 |
|  | Literature and folklore | 5 | 1 |
|  | Mass literature as a literary and social phenomenon | 6 | 1 |
|  | Second foreign language (German/French) | 3 | 1 |
|  | Genre modifications of the French novel | 1 | 1 |
|  | Genres of English Literature in Historical Development | 6 | 1 |
|  | Genres of German Literature in Historical Development | 6 | 1 |
|  | Methodology and methodology of work on the Candidate's dissertation | 3 | 1 |
|  | Typology of the American Novel | 1 | 1 |
|  | Actual problems of derivatology | 2 | 1 |
|  | Theoretical semantics | 4 | 1 |
|  | Actual problems of terminology and terminology | 4 | 1 |
|  | Functioning and development of languages in the Russian Federation | 5 | 1 |
|  | Cognitive Paradigm in Humanities | 1 | 1 |
|  | Pragmatics of translation in the field of scientific and professional activity | 3 | 1 |
|  | The main directions of modern Russian linguistics | 1 | 1 |
|  | Sociolinguistics | 3 | 1 |
|  | Stylistics and ethics of scientific speech | 2 | 1 |
|  | Applications of probabilistic metrics | 5 | 2 |
|  | Stochastic differential equations | 5 | 2 |
|  | Introduction to General Markov Chains | 5 | 2 |
|  | Information Technologies of Multidimensional Statistical Analysis | 5 | 2 |
|  | Statistical problems of simulation modeling | 5 | 2 |
|  | Lie groups and algebras | 34 | 2 |
|  | Planning and mathematical processing of experimental results in the mechanics of a deformable solid | 4 | 1 |
|  | Variational-difference methods | 4 | 1 |
|  | Models and methods of solving the problems of deformation and destruction of composite materials | 3 | 1 |
|  | Actual problems of discrete mathematics and computer science | 5 | 2 |
|  | Simulation of stochastic processes in nonlinear environments | 5 | 2 |
|  | Automation of design of software and hardware control tools for technological processes of complex technical systems | 5 | 2 |
|  | Research Seminar on the Theory and MethodandMethod of Teaching and Education (Physics) | 3456 | 8 |
|  | Research Seminar on Methodology and Technology of Vocational Education | 3456 | 8 |