MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION

Federal State Budgetary Educational Institution of Higher Education

«SAINT-PETERSBURG STATE UNIVERSITY OF ECONOMICS» (UNECON)

|  |  |
| --- | --- |
|  | APPROVED  Vice-rector for educational activities  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Veronika.G. Shubaeva  «\_\_\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 20\_\_\_\_. |

***Методология научных исследований / Research methodology***

**Syllabus of the course**

|  |  |
| --- | --- |
| Specialty | *38.04.02 Management* |
| Specialization | *Международное бизнес-администрирование / International Business Administration* |
| Level of higher education | *Master’s Degree* |
| Form of training | *Full-time* |

Year of enrolment *2024*

Authored by:

|  |
| --- |
| PhD, Julia N. Solovjova |

|  |  |  |  |
| --- | --- | --- | --- |
| Total number of hours | 108 | **Form of final attestation:**   |  | | --- | | Test: semester 1 | |
| incl: |  |
| contact work | 32 |
| self-study | 76 |
| practice | 0 |
| control hours | 0 |

**Hours distribution:**

|  |  |
| --- | --- |
| Semester: | 1 |
| Type of classes | Hours |
| Contact hours | 18 |
| Practical training | 14 |
| Laboratory work |  |
| **Total contact hours** | **32** |
| Self-study | 76 |
| Control hours | 0 |
| **Total academic hours** | **108** |
| **Total credits** | **3** |

Saint-Petersburg

2024

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# **1. LEARNING OBJECTIVES**

|  |  |
| --- | --- |
| **Objective:** | Formation of knowledge and competencies in the field of independent scientific research, selection and justification of research methods to obtain results that allow making managerial decisions. |

# **2. COURSE PLACE IN THE PROGRAMME STRUCTURE**

The course Б1.О Research methodology is an obligatory course of the Block 1.

# **3. EXPECTED LEARNING OUTCOMES**

| **Code and name of graduate competency** | **Code and name of the competence achievement indicator** | **Expected learning outcomes** |
| --- | --- | --- |
| GPC-1. Capable of solving professional problems on the basis of knowledge (at an advanced level) of economic, organizational and management theory, innovative approaches, generalization and critical analysis of management internships | GPC-1.1. Understands the terms, concepts, approaches, models of economic, organizational and managerial theories to the extent necessary to solve professional problems | To know: the essence of the process of changing the scientific paradigm. Paradigms of modern management.  To be able to: understand terms and models in modern publications in the field of economics and management.  To master: principles of generalization and critical analysis of management practices described in scientific publications in the field of economics and management. |
| GPC-5. Capable of summarizing and critically appraising scientific research in management and related fields, and of carrying out research projects | GPC-5.2. Critically evaluates the results of scientific research, analyzes, summarizes, systematizes and evaluates the results of scientific research in the field of management and related fields, develops and implements research, analytical, consulting and other similar projects | To know: types of sources of secondary information, rules and structure of the critical analysis of literature, universal methods of literature analysis.  To be able to: select sources of relevant information that reflect the current state of scientific research in management and related fields.  To master: the skills of compiling a critical review of scientific literature in management and related fields in order to determine the current state of research and applied methods for solving research and analytical problems. |
| UC-1. Capable of critically analyzing problem situations using a systematic approach, and to develop a strategy for action | UC-1.1. Demonstrates systematic and critical thinking skills and a willingness to formulate their own judgements and assess information in a competent, logical and rational way | To know: the concept and structure of a research proposal.  To be able to: analyze systematically and critically existing research in the field of management and related fields, form own proposals for research projects.  To master: systematic and critical thinking while preparing a research proposal, competent argumentation while defending a research proposal. |

# **4.** **COURSE STRUCTURE AND CONTENT**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Code and name of the topics** | **Course content** | | **Academic hours** | | | | |
| **Contact work** | | | | **Self-study** |
| **Lectures** | | **Practices** | **Workshops** |
| Topic 1. The concept of scientific research methodology. Forms of presentation of scientific information. | The nature and characteristics of research. The essence of the concept of research methodology. The difference between the research orientation of practitioners and academics in management. Gnoseological vs. applied problems. Fundamental vs. applied research in management. The logic of the study: the main stages. Formulation of problems and research topics. Justification of problem relevance. Methods for generating the general concept and idea of the study: relevance tree, mind mapping. Transformation of the research idea into a research question and sub-questions. The best experience and mistakes in the preparation of scientific reports, presentations, essays. | | 4 | | 4 |  | 25 |
| Topic 2. Theoretical research: sources and methods of analysis of secondary information. | Sources and methods of analysis of secondary information. Types of secondary data and desk research. Types of secondary information sources: types of databases, Internet resources, regular reports, syndicated studies, etc. Plagiarism and its forms. Critical review of literature. Four aspects of critical analysis: criticism of rhetoric, tradition, authority, objectivity. Rules and structure of critical analysis. Universal methods of literature analysis: historical (evolutionary) analysis, comparative, structural. Content analysis. Meta-analysis. Secondary data analysis software. | | 4 | |  |  | 6 |
| Topic 3. Design and program of empirical research. | Methodological choice of research design: qualitative, quantitative or mixed research methods. Nature of research design: exploratory, descriptive, experimental (causal) research. Determination of the time horizon of the study: cross-sectional and longitudinal studies. Empirical research program. Conducting exploratory research to develop a conceptual model for empirical research and research hypotheses. Linear and spiral models of empirical research. Selection and justification of methods for collecting and processing primary data. Testing conceptual research models. Formation of recommendations for using the results in management practice. Research limitations. Preparation of research proposal. | | 4 | | 8 |  | 30 |
| Topic 4. Review of qualitative research methodology. | Features of sampling in qualitative research. Ways to overcome the phenomenon of false saturation. Theoretical saturation. Research strategies: typological strategy and case studies, combination of strategies. Validation of the received data: exploratory triangulation. Methods for collecting information in the process of qualitative research: observation, interviews, group discussion, projective techniques, ethnography. | | 6 | | 2 |  | 15 |
| **Control hours:** | | | | | | | **0** |
| **Total hours:** | | **18** | | **14** | | **0** | **76** |

# **5. TEACHING AND LEARNING TOOLS OF THE COURSE**

## **5.1 Recommended literature**

|  |  |
| --- | --- |
| **Bibliographic description of the publication (author, title, type, place and year of publication, number of pages)** | **Digital resources** |
| Moki, M. S. Methodology of scientific research : textbook for universities / M. S. Moki, A. L. Nikiforov, V. S. Moki ; edited by M. S. Moki. Moscow : Yurayt Publishing House, 2021. | <https://urait-ru.ezproxy.unecon.ru/bcode/468947> |
| Roy, O. M. Methodology of scientific research in economics and management : a textbook for universities / O. M. Roy. Moscow : Yurayt Publishing House, 2021. | <https://urait-ru.ezproxy.unecon.ru/bcode/467963> |
| Gorelov, N. A. Methodology of scientific research : textbook and workshop for universities / N. A. Gorelov, D. V. Kruglov, O. N. Korableva. Moscow : Yurayt Publishing House, 2021. | <https://urait-ru.ezproxy.unecon.ru/bcode/468856> |

## **5.2 List of software (including national production)**

|  |
| --- |
| - 7-Zip |
| - Microsoft Office Professional |
| - Microsoft Windows Professional |

## **5.3 List of reference systems and modern professional databases**

|  |  |
| --- | --- |
| **№** | **Name of reference systems and professional databases** |
| 1. | Digital library Grebennikon.ru – [www.grebennikon.ru](http://www.grebennikon.ru) |
| 2. | Science Digital Library eLIBRARRY – [www.elibrary.ru](https://elibrary.ru/defaultx.asp?) |
| 3. | Science Digital Library КиберЛеника – [www.cyberleninka.ru](https://cyberleninka.ru/) |
| 4. | Database ПОЛПРЕД Справочники – [www.polpred.com](http://www.polpred.com) |
| 5. | Database OECD Books, Papers & Statistics on the platform OECD iLibrary  [www.oecd-ilibrary.org](http://www.oecd-ilibrary.org) |
| 6. | Legal reference system КонсультантПлюс (installed resource UNECON or [www.consultant.ru](https://www.consultant.ru/)) |
| 7. | Legal reference system «ГАРАНТ» (installed resource UNECON or [www.garant.ru](https://www.garant.ru/)) |
| 8. | Information and referral system «Кодекс» (installed resource UNECON or [www.kodeks.ru](https://kodeks.ru/)) |
| 9. | Digital library system BOOK.ru - [www.book.ru](https://book.ru/) |
| 10. | Digital library system ЭБС ЮРАЙТ – [www.urait.ru](https://urait.ru/viewer/kompleksnyy-analiz-hozyaystvennoy-deyatelnosti-468686) |
| 11. | Digital library system ЗНАНИУМ (ZNANIUM) – [www.znanium.com](http://www.znanium.com) |
| 12. | Digital library UNECON – [opac.unecon.ru](https://opac.unecon.ru/) |

# **6. TECHNICAL FACILITIES**

There are special rooms for lectures, seminars, coursework, group and individual consultations, current and interim assessments, as well as rooms for self-study.

The premises are equipped with equipment and teaching aids.

The rooms for students' independent work are equipped with computers with Internet connection and access to the university's electronic learning environment.

|  |  |
| --- | --- |
| **Name of classroom** | **Сlassroom location** |
| Classroom 1043 Training classroom (for lecture- and seminar-type classes, coursework, group and individual consultations, current control and intermediate attestation), equipped with a multimedia system. Specialised furniture and equipment: Educational furniture for 42 seats (21 desks), teacher's workplace, chalk board 1 pc. (3 sections), chair 1 pc., table 2 pcs., iso chair 2 pcs.. Portable multimedia kit: Laptop HP 250 G6 1WY58EA, Multimedia projector LG PF1500G. Sets of display equipment and visual aids: multimedia applications for lecture courses and practical sessions, interactive teaching and visual aids. | 191023, St. Petersburg, Griboedova canal, 30-32, lit. A, Б, P |
| Classroom 1064 Training classroom (for lecture- and seminar-type classes, coursework, group and individual consultations, current control and intermediate attestation), equipped with a multimedia system. Special furniture and equipment: Educational furniture for 42 seats, a teacher's workplace, a whiteboard - 1 pc, a table - 1 pc, a chair - 1 pc, an interactive projector Epson-EB-455Wi - 1 pc, a computer Intel i3-2100 2.4 Ghz/4Gb/500Gb/Acer V193 19" - 1 pc. Sets of display equipment and visual aids: multimedia applications for lecture courses and practical sessions, interactive teaching and visual aids. | 191023, St. Petersburg, Griboedova canal, 30-32, lit. A, Б, P |
| Classroom 2007 Training classroom (for lecture- and seminar-type classes, coursework, group and individual consultations, current control and intermediate attestation), equipped with a multimedia system. Specialized furniture and equipment: Training furniture for 126 seats, teacher's workplace, m/m table - 1 pc, desk - 6 pcs, chair - 1 pc, chalk board (3 sectional) - 2 pcs, Chair - 3 pcs., Computer Intel i3-2100 2.4 Ghz/4Gb/500Gb/Acer V193 19" - 1 pc, Multimedia projector Type 2 Panasonic PT-VX610E - 1 pc, ScreenMedia Champion 244x183cm (SCM-4304) - 1 pc. Sets of display equipment and visual aids: multimedia applications for lecture courses and practical sessions, interactive teaching and visual aids. | 191023, St. Petersburg, Griboedova canal, 30-32, lit. A, Б, P |
| Classroom 2009 Training classroom (for lecture- and seminar-type classes, coursework, group and individual consultations, current control and intermediate attestation), equipped with a multimedia system. Special furniture and equipment: Educational furniture for 122 seats (study table 61 pcs., chairs 122 pcs.), the teacher's workplace, desk m/m, drawer 1 pc, chalk board 1 pc (3 sections), chair 1 pc, drawer 1 pc, chair 1 pc, Chair 2 pcs., Intel i3-2100 2.4 Ghz /4Gb/500Gb/Acer V193 19" - 1 pc, Sound projector Yamaha YSP-3000 - 1 pc, Projector stand with camera decks - 1 pc, Projection screen draper - 1 pc, Multimedia projector Type 2 Panasonic PT-VX610E - 1 pc, Screen Media D1 ceiling bracket - 1 pc. Sets of display equipment and visual aids: multimedia applications for lecture courses and practical sessions, interactive teaching and visual aids. | 191023, St. Petersburg, Griboedova canal, 30-32, lit. A, Б, P |

# **7. METHODOLOGICAL GUIDELINES FOR STUDENTS**

The following documents should be made available to the trainee before the start of the course:

* training and methodological documentation;
* local normative acts regulating the main issues of the organisation and implementation of educational activities, including those regulating the procedure for current monitoring and interim assessment of students;
* the schedule of consultations of the teaching staff.

The level and depth of mastering the discipline is determined by the active and systematic work of students in lectures, seminars, independent work, including in terms of identifying the most significant and relevant problems for further study. A special condition for qualitative mastering of the discipline is an effective organisation of work, which allows distributing the academic workload evenly in accordance with the schedule of the educational process.

When preparing for classes, students have the opportunity to attend consultations with the staff of UNECON according to the timetable set out in the schedule of consultations.

The students' in- and out-of-classroom work should aim to form:

* the fundamentals of the learner's world view and scientific understanding;
* basic knowledge relevant to the training area and the declared professional field, forming the target and professional basis for training;
* professional competences oriented towards the needs of the labour market;
* an individual trajectory by mastering a unique set of professional competences that complement the learner's competence model, through a focus on specific professional specialised areas of knowledge defined by labour market representatives;
* metha-skills for learners, such as teamwork and leadership, data analysis, digital skills, project design and implementation, intercultural interaction.

# **8. SPECIFICATIONS FOR TEACHING DISABLED PERSONS**

Students with disabilities, if necessary, are taught on the basis of an adapted work programme using special teaching methods and didactic materials that take into account the particularities of their psychophysical development, individual capacities and health status.

In order for disabled persons and persons with disabilities to master the curriculum, the University shall ensure that:

– for the visually impaired and visually impaired: availability of information on the timetable in accessible places and adapted forms for learners who are blind or visually impaired; presence of an assistant to assist the learner as needed; production of alternative formats of teaching materials (large print or audio files);

– for the hearing-impaired and hearing-impaired: adequate sound reproduction of information;

– for persons with disabilities and persons with mobility impairments: the possibility of unimpeded access for students to classrooms, restrooms and other areas of the department, as well as their stay in these areas.

Learners with disabilities and persons with disabilities are provided with printed and/or electronic educational resources in forms adapted to their disabilities. The education of students with disabilities may be organised with other students or in separate groups or organisations.

# **ASSESSMENT RESOURSES**

## **1.1 Control tasks and assignments for interim attestation**

Is not provided by the work programme of the discipline.

## **1.2 Topics for written task**

Is not provided by the work programme of the discipline.

## **1.3 Interim checkpoints**

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Type** | **Method of conduct** | **Topic number** |
| 1 | Simulation exercise | Oral | 1-3 |
| 2 | Individual task | Oral | 1-3 |
| 3 | Monitoring | Computer-aided | 1-4 |

## **1.4 Other assessment objects**

Is not provided by the work programme of the discipline.

## **1.5 Self-study**

|  |  |
| --- | --- |
| **Self-study task** | **Topic number** |
| Preparation for lectures and practical classes | 1-4 |
| Homework | 1-4 |

## **1.6 Grading scale**

Scales of assessment and procedures for assessing learning outcomes of the discipline are regulated by the Regulations on the current control of progress and interim attestation of students in higher education programmes and the Regulations on the scoring and rating system.

**A grading and rating system** is used to assess the learning outcomes of the discipline:

The form of the final control in the discipline is a credit, the final result is formed in accordance with the scale given in the table below:

|  |  |
| --- | --- |
| Points | Grade |
| <=54 | Not passed |
| >=55 | Passed |

**Grading scale**

|  |  |
| --- | --- |
| 2 (points to 54) | Demonstrates a lack of understanding of the problem. Many of the requirements of the assignment are not met.  An initial perception of the material is demonstrated. The work is incomplete and/or plagiarized. |
| 3 (points 55-69) | Demonstrates a partial understanding of the problem. Most of the requirements of the task have been met.  Mastery of the elements of the assigned material. The material is mostly clear and coherent. |
| 4 (points 70-84) | Demonstrates considerable understanding of the issue by the discipline. All requirements of the assignment are fulfilled.  The content of the completed tasks is disclosed and examined from different perspectives. |
| 5 (points 85-100) | Demonstrates full understanding of the problem. All requirements of the assignment are fulfilled.  Demonstrates proficiency in the discipline. The completed assignments are holistic, complete, structured, present different points of view and demonstrate creativity. |