

APPROVED:
Vice-rector for study and methodical work
Veronika G. Shubaeva
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Методология научных исследований / Research methodology

Syllabus of the course

Specialty	38.04.02 Management
Specialization	Управление рисками и контроллинг / Risk management and controlling
Level of higher education	Master's Degree
Form of training	Full-time
Year of enrolment	2022

Authored by:

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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

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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.
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2. COURSE PLACE IN THE PROGRAMME STRUCTURE

The course B1.O 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
General professional competency-1 – Being able to solve professional problems based on knowledge (at an advanced level) of economic, organizational and management theory, innovative approaches, generalization and critical analysis of management practices	GPC-1.1 - Understands the terms, concepts, approaches, models of economic, organizational and management theories to the extent necessary to solve professional problems	<p>To know: the essence of the process of changing the scientific paradigm. Paradigms of modern management.</p> <p>To be able to: understand terms and models in modern publications in the field of economics and management.</p> <p>To possess: principles of generalization and critical analysis of management practices described in scientific publications in the field of economics and management.</p>
General professional competency -5 – Being able to summarize and critically evaluate scientific research in management and related fields, carry out research projects	GPC-5.1 – Demonstrates an understanding of the current state of scientific research in management and related fields, modern methods and tools for analyzing the solution of research and analytical problems	<p>To know: types of sources of secondary information, rules and structure of the critical analysis of literature, universal methods of literature analysis.</p> <p>To be able to: select sources of relevant information that reflect the current state of scientific research in management and related fields.</p> <p>To possess: 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.</p>
Universal competency-1 – Being able to carry out a critical analysis of problem situations based on a	UC-1.1 – Demonstrates the skills of systematic and	<p>To know: the concept and structure of a research proposal.</p> <p>To be able to: analyze systematically and critically existing research in the field of management and related fields, form</p>

systematic approach and to develop an action strategy	critical thinking and readiness for competent, logical, reasoned formation of one's own judgments and evaluation of information	own proposals for research projects. To possess: systematic and critical thinking while preparing a research proposal, competent argumentation while defending a research proposal.
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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	4	8		30

	of research proposal.				
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
2.	Science Digital Library eLIBRARY – www.elibrary.ru
3.	Science Digital Library КиберЛенинка – www.cyberleninka.ru
4.	Database ПОЛПРЕД Справочники – www.polpred.com

5.	Database OECD Books, Papers & Statistics on the platform OECD iLibrary www.oecd-ilibrary.org
6.	Legal reference system КонсультантПлюс (installed resource UNECON or www.consultant.ru)
7.	Legal reference system «ГАРАНТ» (installed resource UNECON or www.garant.ru)
8.	Information and referral system «Кодекс» (installed resource UNECON or www.kodeks.ru)
9.	Digital library system BOOK.ru - www.book.ru
10.	Digital library system ЭБС ЮРАЙТ – www.urait.ru
11.	Digital library system ЗНАНИУМ (ZNANIUM) – www.znanium.com
12.	Digital library UNECON – 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	Classroom 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, B, 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, B, 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, B, 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	191023, St. Petersburg, Griboedova canal, 30-32, lit. A, B, P

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.	
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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;
- meta-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 RESOURCES

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 final control of the discipline is an examination (or a differentiated test), the final grade being formed in accordance with the scale given in the table below:

Points	Grade
≤ 54	failed

55-69	satisfactory
70-84	good
≥ 85	excellent

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.