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MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION

Federal State Budgetary Educational Institution of Higher Education
"Ural State University of Economics"

Approved
at the Department meeting

November 27, 2025

Protocol # 10

Head of the Department Radygina E.G.

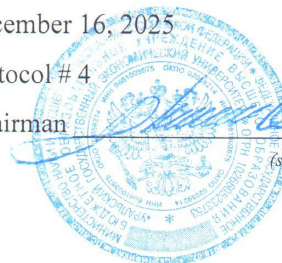
Approved
by the Council for Educational and
Methodological Issues and Quality of
Education

December 16, 2025

Protocol # 4

Chairman  Karkh D.A.

(signature)



COURSE PROGRAMME

Title	Organization of scientific research
Field of study	38.04.02 Management
Profile	Management of International Tourism (in English)
Form of study	Full-time
Year of enrollment	2026

Compiled by:
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Ekaterinburg
2025

CONTENTS

INTRODUCTION	3
1. THE PURPOSE OF MASTERING THE DISCIPLINE	3
2. PLACE OF THE DISCIPLINE IN THE STRUCTURE OF THE MAIN PROFESSIONAL EDUCATIONAL PROGRAM	3
3. SCOPE OF THE DISCIPLINE	3
4. PLANNED RESULTS OF MASTERING THE MAIN PROFESSIONAL EDUCATIONAL PROGRAM	3
5. THEMATIC PLAN	5
6. FORMS OF CONTINUOUS CONTROL AND INTERMEDIATE ATTESTATION SCALE OF EVALUATION	6
7. CONTENT OF THE DISCIPLINE	8
8. FEATURES OF THE ORGANIZATION OF THE EDUCATIONAL PROCESS IN THE DISCIPLINE FOR PERSONS WITH DISABILITIES	11
9. LIST OF BASIC AND ADDITIONAL EDUCATIONAL LITERATURE REQUIRED FOR MASTERING THE DISCIPLINE	11
10. LIST OF INFORMATION TECHNOLOGIES, INCLUDING A LIST OF LICENSED SOFTWARE AND INFORMATION REFERENCE SYSTEMS, ONLINE COURSES USED IN THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS IN THE DISCIPLINE	12
11. DESCRIPTION OF THE MATERIAL AND TECHNICAL BASE NECESSARY FOR THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS IN THE DISCIPLINE	13

INTRODUCTION

The work program of the discipline is part of the main professional educational program of higher education-the master's program developed in accordance with the Federal State Educational Standard

State Educational Standard of	Higher Education Federal State Educational Standard of Higher Education -Master's degree in the field of training 38.04.02 Management (Order of the Ministry of Education and Science of the Russian Federation No. 952 of 12.08.2020)
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1. THE PURPOSE OF MASTERING THE DISCIPLINE

The goal is to develop competencies that form the necessary level of knowledge of the theoretical and methodological foundations of planning, methods of organizing and conducting research, developing scientifically based conclusions and proposals for the development of the tourism and hospitality industry.

2. PLACE OF THE DISCIPLINE IN THE STRUCTURE OF THE MAIN PROFESSIONAL EDUCATIONAL PROGRAM

The discipline belongs to the mandatory part of the curriculum.

3. SCOPE OF THE DISCIPLINE

Intermediate certification	Hours			Independent work including preparation of tests and term Independent	credit units
	In just one semester	Contact work .(according to study assignments)			
		Total	Practical exercises, including course design e		
Semester 1					
Test	72	12	12	60	2

4. PLANNED RESULTS OF MASTERING THE MAIN PROFESSIONAL EDUCATIONAL PROGRAM

As a result of mastering the main professional educational program, the graduate should have formed the competencies established in accordance with the Federal State Educational Standard for Higher Education.

Code and name of competence	Indicators of achievement of competencies
UC-1 is able to carry out a critical analysis of problem situations based on a systematic approach, develop a strategy for the actions	AI-1.UC-1 Know: methods of critical analysis; methodology of the system approach; methods for identifying a problem situation
	AI-2.UC-1 Be able to: identify problem situations, search for information and solutions

<p>UC-1 is able to carry out a critical analysis of problem situations based on a systematic approach, develop a strategy for the actions</p>	<p>AI-3.UC-1 Have practical experience in developing and arguing a strategy for solving a problem situation based on a systematic approach</p>
<p>UC-6 is able to determine and implement priorities for its own activities and ways to improve it based on the self</p>	<p>AI-1.UC-6 To know: theoretical and methodological foundations of self-development, self-realization, use of creative potential; fundamentals of planning a professional trajectory; technologies and methods of self</p>
	<p>AI-2.UC-6 Be able to: determine the priorities of professional activity and ways to improve it on the basis of self-assessment; develop, monitor, evaluate and research the components of professional activity; plan independent activities in solving professional tasks</p>
	<p>AI-3.UC-6 Have practical experience determining the effective course of action in the field of professional activity; making decisions at the level of one's own professional activity; planning one's own professional activity</p>

General professional competencies (GPC)

Code and name of competence	Indicators of achievement of competencies
<p>GPC -2 is able to apply modern techniques and methods of data collection, advanced methods of their processing and analysis, including the use of intelligent information and analytical systems, when solving management and research tasks;</p>	<p>AI-1. GPC-2 Know modern techniques and methods of data collection, advanced methods of their processing and analysis</p>
	<p>AI-2. GPC-2 Be able to use intelligent information and analytical systems in solving management and research tasks</p>

GPC-2 is able to apply modern techniques and methods of data collection, advanced methods of their processing and analysis, including the use of intelligent information and analytical systems, in solving management and research tasks;	AI-3. GPC-2 Have practical experience in the use of database management systems in the field of economics and management
GPC-5 is able to summarize and critically evaluate scientific research in management and related fields, perform research -исследовательские projects.	AI-1. GPC-5 Know methods, technologies and tools for generalizing and critically evaluating the results of scientific research in management and economics
	AI-2. GPC-5 Be able to organize the work of creative teams to perform research work
	AI-3. GPC-5 Have practical experience in activating the activities of team members performing research projects

5. TOPIC PLAN

Topic	Hours						
	Name of the topic	Total hours	Contact work (for academic classes)			Independent work	Control of independent work
			Lectures	Laboratory facilities	Practical exercises classes		
Semester 1		14					
Topic 1.	The concept of scientific research in service activities: principles, structure, types, stages, directions, types (UC-1, UC-6)	14			2	12	
Semester 1		14					
Topic 2.	Structure of scientific student work and its stages for solving problematic issues of the tourism economy (UC-1, UC-6)	14			2	12	
Semester 1		14					

Topic 3.	Information and library culture in the system of scientific research (GPC-2, GPC-5)	14			2	12	
Semester 1		15					
Topic 4.	Self-organization in working with scientific information (GPC-2, GPC-5)	15			3	12	
Semester 1		15					
Topic 5.	Requirements for the presentation, design and presentation of scientific student work as the ability to self-education (GPC-2, GPC-5)	15			3	12	

6. FORMS OF CONTINUOUS CONTROL AND INTERMEDIATE ATTESTATION SCALE OF EVALUATION

Section/Subject	Type of evaluation tool	Description of the evaluation tool	Evaluation criteria
Current control (Appendix 4)			
Topic 1-5	Checkpoint 1 (Appendix 4)	Interview for seminar sessions	5 points
Topics 1-5	Checkpoint 1 (Appendix 4)	Testing	5 points
Intermediate certification (Appendix 5)			
1 semester (For)	Test ticket (Appendix 5)	Two theoretical questions	credit

DESCRIPTION OF ASSESSMENT SCALES

The indicator for assessing the development of OPOP is formed on the basis of combining the current control and intermediate certification of the student.

The rating indicator for each discipline is expressed as a percentage, which shows the level of preparation of the student.

Current control. A 100-point rating system is used. Assessment of student performance during the semester is carried out by the teacher in accordance with the developed system of assessment of academic achievements in the course of training in this discipline.

The working programs of disciplines and practices set out the types of ongoing control, planned results of control activities, and criteria for evaluating academic achievements.

During the semester, the teacher conducts at least 3 control activities to assess the student's performance. If class attendance in a discipline is included in the rating, then this indicator is no more than 20% of the maximum number of points in the discipline.

Intermediate certification. A 5-point rating system is used. Assessment of the student's work at the end of the discipline (part of the discipline) is carried out by the teacher in accordance with the system developed by him for evaluating the student's achievements in the course of training in this discipline. Intermediate certification is also carried out at the end of competence formation.

The procedure for transferring the rating provided for by the rating system for a discipline to a five-point system.

High level-100% - 70% - excellent, good.

Average level-69% - 50% - satisfactory.

Rating indicator	5-point rating indicator	Indicator characteristics
100% - 85%	excellent	have excellent theoretical knowledge in full, understand, independently know how to apply, research, identify, analyze, systematize, categorize, calculate indicators, classify, develop models, algorithmize, manage, organize, plan research processes, carry out evaluation
84% - 70%	good	have good theoretical knowledge in full, understand, independently know how to apply, research, identify, analyze, systematize, categorize, calculate indicators, classify, develop models, algorithmize, manage, organize, plan research processes, evaluate results. There may be some errors corrected by the student independently in the course of work (answer , etc.)
69% - 50%	satisfactory	have satisfactory general theoretical knowledge, are able to apply, investigate, identify, analyze, systematize, categorize, calculate indicators, classify, develop models, algorithmize, manage, organize, plan research processes, etc. evaluate results at an average level. Mistakes are allowed that the student finds difficult to correct on their own.
49 % or less	unsatisfactorily	do not have a full amount of general theoretical knowledge, do not know how to independently apply, research, identify, analyze, systematize, categorize, calculate indicators, classify, develop models, algorithmize, manage, organize, plan research processes, evaluate results. Skills and abilities for solving professional tasks are not formed
100% - 50%	credited	indicator characteristics correspond to "excellent", " good", "satisfactory"
49 % or less	not credited	indicator characteristics correspond to "unsatisfactory"

7. CONTENT OF THE DISCIPLINE

7.2 Content of practical classes and laboratory work

Topic 1. The concept of scientific research in service activities: principles, structure, types, stages, directions, types (UC-1, UC-6)

The form of the seminar is a discussion.

Selection of research methods. Setting goals and objectives of scientific research.

Passing theoretical and methodological stages of research and choosing tools.

Interpretation and operationalization of concepts. Preliminary system analysis of scientific research.

For a more in-depth understanding of the chosen areas, students need to answer a number of questions:

- 1) Define the concepts of "theory" and "method"
- 2) Name the main stages of the research work
- 3) Describe the goals that form the basis of the research work.
- 4) How do goals differ from tasks?
- 5) What is the essence of applied research?
- 6) Advantages of the SMART goal setting method.

Topic 2. Structure of scientific student work and its stages for solving problematic issues of the tourism economy (UC-1, UC-6)

Research program for collecting information. Types of research programs. Work plan of the study. Methods of collecting research information. Areas

of information processing (by events, by human resources, by products and materials, by financial indicators, by information support tools). Statistical methods in scientific research. Field research. Study of data uniformity and variation.

For a more in-depth understanding of the chosen areas, students need to answer a number of questions:

- 1) What is a research program?
- 2) Give examples of research programs in the organization of event events.
- 3) What is the research work plan for?
- 4) What statistical methods are used in scientific research?
- 5) What sections does the research work plan contain?
- 6) What is meant by statistical information?
- 7) Methods for studying the variation of a trait.
- 8) Least squares method

Topic 3. Information and library culture in the system of scientific research (GPC -2, GPC-5)

Mathematical modeling in scientific research. The concept of a model. Types of models. The Law of Large numbers. Principles of modeling. "Decision tree" and "goal tree". Criteria for choosing effective solutions.

For a more in-depth understanding of the chosen areas, students need to answer a number of questions:

- 1) What is a model? What properties should it have?
- 2) What is the purpose of simulation modeling?
- 3) Principles of model construction.
- 4) The essence and distinctive features of the functional model.
- 5) What methods are used to evaluate the quality of the model?

Topic 4. Self-organization in working with scientific information (GPC-2, GPC-5)
 Economic efficiency: concept and essence. Social efficiency of scientific research. Performance indicators of the research object.
 Investment performance indicators. Making decisions in conditions of uncertainty and risk. Methods used to make effective decisions.
 For a more in-depth understanding of the chosen areas, students need to answer a number of questions:

- 1) Features of the use of factor analysis in assessing the effectiveness of public production.
- 2) Methods for determining economic efficiency.
- 3) Analysis of socio-economic efficiency.
- 4) How to assess risk in a scientific study?
- 5) Name the main investment performance indicators.
- 6) What is the classification of resources involved in the implementation of scientific research?

Topic 5. Requirements for the presentation, design and presentation of scientific student work, as the ability to self-education (GPC-2, GPC-5)
 Quality as an object of scientific research. Quality of design of research results.
 Quality of report preparation and presentation based on research results.
 For a more in-depth understanding of the chosen areas, students need to answer a number of questions:

- 1) Reveal the essence of quality in scientific research.
- 2) Highlight the distinctive features of scientific schools in the field of quality management.
- 3) What indicators are used to assess the quality of scientific research?
- 4) The role of science in improving the quality of life.

7.3. Content of independent work

Topic 2. Structure of scientific student work and its stages for solving problematic issues of the economy of tourist activity (UC-1, UC-6)
 Design of scientific research results Create statistical data in tables and graphs.

Topic 3. Information and library culture in the system of scientific research (GPC-2, GPC-5)
 Modeling in scientific research Analyze the types of research and development models and build your own model.

Topic 4. Self-organization in working with scientific information (GPC-2, GPC-5)
 Types and methods of evaluating the effectiveness of scientific research. Determine the effectiveness of scientific work

Topic 5. Requirements for the presentation, design and presentation of scientific student work, as the ability to self-educate (GPC-2, GPC-5)
 Practical significance of scientific research Prove the practical significance of R & D

7.3.1. Sample questions for self-preparation for the test/exam
Appendix 1

7.3.2. Practical tasks in the discipline for self-preparation for
the test/exam
Appendix 2

7.3.3. The list of coursework
is not provided for in the curriculum

7.4. The student's electronic portfolio
Materials are not placed

7.5. Methodological recommendations for the implementation of the control work
is not provided

for 7.6 Methodological recommendations for the implementation of course work
is not provided

8. FEATURES OF THE ORGANIZATION OF THE EDUCATIONAL PROCESS IN THE DISCIPLINE FOR PERSONS WITH DISABILITIES

At the request of the student

In order to make the program accessible for persons with disabilities, if necessary , the department provides the following conditions:

- a special procedure for mastering the discipline, taking into account the state of their health;
- electronic educational resources on the discipline in forms adapted to the limitations of their health;
- studying the discipline according to an individual curriculum (regardless of the form of study);
- e -learning and distance learning technologies that provide for the possibility of receiving and transmitting information in forms that are accessible to them .
- access (remote access) to modern professional databases and information reference systems, the composition of which is determined by the discipline's work program.

9. LIST OF BASIC AND ADDITIONAL EDUCATIONAL LITERATURE REQUIRED FOR MASTERING THE DISCIPLINE

Сайт библиотеки USUE Library Website
<http://lib.usue.ru/>

Main literature:

2. Gorelov N. A., Korableva O. N., Kruglov D. V. Metodologiya nauchnykh issledovaniy [Methodology of scientific research]. [Electronic resource]: textbook and practical course for universities. - Moscow: Yurayt Publ., 2024. - 390- Available at: <https://urait.ru/bcode/536410>

Additional literature:

2. Gerasimov B. I., Drobysheva V. V. Osnovy nauchnykh issledovaniy [Fundamentals of scientific research]: Training manual. - Moscow: FORUM Publishing House, 2022. - 271- Available at: <https://znanium.com/catalog/product/1836951>

10. LIST OF INFORMATION TECHNOLOGIES, INCLUDING THE LIST OF LICENSED SOFTWARE AND INFORMATION REFERENCE SYSTEMS, ONLINE COURSES USED IN THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS IN THE DISCIPLINE**List of licensed software:**

Astra Linux Common Edition. Contract No. 0417-U / 2019 dated 08.05.2019, Act No. Sk000343 dated 24.05.2019 and Contract No. 35-U / 2018 dated 13.06.2018, Act No. UT213 dated 17.12.2018. The license - is valid for an unlimited period of time.

MyOffice is standard. Agreement no. SK-281 of 7 June 7, 2017. Date of conclusion - 07.06.2017. The license - is valid for an unlimited period of time.

List of information reference systems and resources of the Internet information and telecommunications network:

Legal reference system Consultant+. Contract No. 143/223-U / 2025 dated 02.12.2025 License validity License validity period until 31.12.2026

31.12.2026 Garant Reference and Legal system. Agreement No. 58419 of December 22, 2015. The period of validity of the license is without restrictions of time

Busheneva, Y. I. How to properly write an essay, coursework and thesis work : educational benefit

<http://znanium.com/go.php?id=415294>

Kuznetsov, I. N. The fundamentals of scientific research : educational benefit

<http://znanium.com/go.php?id=415064>

Petrova, S. A. basics of research activities : educational benefit

<http://znanium.com/go.php?id=187394>

11. DESCRIPTION OF THE MATERIAL AND TECHNICAL BASE NECESSARY FOR THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS IN THE DISCIPLINE

The academic discipline is implemented using the material and technical base of USUE, which provides проведение all types of training sessions, research and independent work of students:

Special rooms are classrooms for all types of classes, group and individual consultations, ongoing monitoring and intermediate certification.

Rooms for independent work of students are equipped with computer equipment with the ability to connect to the Internet and provide access to the electronic information and educational environment of USUE.

All rooms are equipped with specialized furniture and multimedia equipment, special equipment (information and telecommunications, other computer equipment), access to information and search systems, reference and legal systems, electronic library systems, databases of current legislation, and other information resources that serve to present educational information to a large audience.

For conducting lecture-type classes, presentations and other educational and visual aids that provide thematic illustrations.

7.3.1. Sample questions for self-preparation for the test/exam

Questions for the test

1. The concepts of "theory" and "method" in solving standard problems
2. Main stages of research work in tourism activities
3. Characteristics of the objectives of research work on the object of a restaurant product
4. Advantages of the SMART Goal Setting method SMART
5. Methods for studying trait variation
6. The basis of information and library culture
7. Principles of building an information security model
8. Distinctive features of tourist activity in Russia
9. Features of the use of factor analysis in assessing the effectiveness of tourist activities
10. Ways to determine the economic efficiency of research and development in the world practice
11. Analysis of socio-economic efficiency of research and development
12. Risk assessment in scientific research based on information security
13. Performance indicators for the use of library and Internet resources.
14. The role of grants in scientific research for solving professional problems
15. Goals and objectives of applied research, as well as scientific developments on the object of a restaurant product
16. Main stages of scientific and practical work
17. The essence of quality in scientific research for professional activity
18. Basic methods of collecting and analyzing information in tourism activities
19. Indicators for monitoring the restaurant services market
20. The role of science in improving the ability to organize and educate oneself
21. Communication technologies in research activities
22. Algorithm for performing scientific works
23. Evaluation of the obtained scientific results.

7.3.2. Practical tasks in the discipline for independent preparation for the test/exam

Closed tasks

Task number Task	content	Competence
1.	is a set of techniques, operations and methods of theoretical knowledge and practical transformation of reality when certain results are achieved. a) method; b) principle; c) experiment; d) development.	UC-1, UC-6
2.	The main function of the scientific method: a) internal organization and regulation of the process of cognition; b) search for common features in a number of individual phenomena; c) achieving results; d) making a profit.	UC-1, UC-6
3.	The field of research activity aimed at obtaining new knowledge about nature, society, and thinking. a) science; b) approbation; c) concept; d) theory.	UC-1, UC-6
4.	The concept of research is ... a) the main idea that connects all the structural elements of the methodology, determines the order of research, its stages; b) the literary design of the research results; c) the accumulation of factual material; d) the structure of the study.	GPC-2 GPC-5
5.	The object of scientific research is ... a) what is to be discovered, proved, or something unknown in science; b) what the author of a scientific study cannot do; c) a source of information necessary for research; d) a more specific source of information necessary for research.	GPC-2 GPC-5
6.	The subject of scientific research is ... a) what is to be discovered, proved, something unknown in science; b) what the author of a scientific study cannot do; c) a source of information necessary for research; d) a more specific source of information necessary for research; what is located within the boundaries	GPC-2 GPC-5

Open tasks

Task	content	Competence
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number Task		
1.	Distinctive features of scientific research are:	UC-1, UC-6
2.	Name the stages of scientific research	UC-1, UC-6
3.	The problem of scientific research is	UC-1, UC-6
4.	The contradiction of scientific research is	UC-2 UC – 5
5.	What is formulated more broadly: object or object of scientific research? subject of scientific research?	GPC-2 GPC-5
6.	The purpose of scientific research is ...	GPC-2 GPC-5