MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION

Ural State University of Economics

APPROVED
at the meeting of the department

22 December 2020

Protocol № 5

Acting head of department   Bannykh S.G.

APPROVED
by the Council for educational and
methodological issues and quality of
education

20 January 2021

Protocol № 6

Chairman   Karkh D.A.

PLACEMENT PROGRAME

Title	Organization of Scientific Research
Field of study	38.04.02 MANAGEMENT
Profile	International Business (in English)
Form of study	full-time and part-time
Enrollment year	2021

Developed by:
Professor, Doctor of Economics
Alla Ivanovna Matveeva

Yekaterinburg
2021

CONTENT

INTRODUCTION

The program of the subject is part of the main professional educational program of higher education - the master's program, developed in accordance with the Federal State Educational Standard of Higher Education

FSES of HE	12.08.2020 г. № 952) Federal State Educational Standard of Higher Education - Master's degree in the field of studies 38.04.02 Management (order of the Ministry of Education and Science of Russia No. 952 dated 12.08.2020)
PS	

1. PURPOSE OF LEARNING THE SUBJECT

The purpose of studying this academic subject is to acquire knowledge about the laws, principles, concepts, terminology, content, specific features of the organization and management of scientific research. The subject "Organization of scientific research" allows students to gain knowledge on the main historical aspects, theoretical positions, technologies, operations, practical methods and techniques for conducting scientific research on the basis of modern achievements of domestic and foreign scientists and master the skills of choosing a topic for scientific research, scientific search, analysis, experimentation, data processing, obtaining justified effective decisions using information technology.

2. PLACE OF SUBJECT IN THE STRUCTURE OF OBOR

The subject refers to the core of the curriculum.

3. SCOPE OF SUBJECT

Summative Assessment	Hours				Credits
	Total for a semester	Contact work. (Academic study)		Self-study including preparation of control and coursework	
		Total	Lectures		
Semester 2					
Credit	72	12	12	60	2

4. LEARNING OUTCOMES

As a result of mastering OBOR, the graduate must have the competencies established in accordance with the Federal State Educational Standard of Higher Education.

Code and name of competence	Competence achievement indicators
UC-1 Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	ID-1.UC-1 Know: methods of critical analysis; system approach methodology; methods of identifying a problem situation

UC-1 Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	ID-2.UC-1 Be able to: identify problem situations, search for information and solutions
	ID-3.UC-1 Have practical experience in developing and arguing a strategy for solving a problem situation based on a systematic approach
UC-6 Able to determine and implement the priorities of his own activities and ways to improve it based on self-esteem	ID-1.UC-6 Know: theoretical and methodological foundations of self-development, self-realization, use of creative potential; the basics of planning a professional trajectory; technologies and methods of self-assessment
	ID-2.UC-6 Be able to: determine the priorities of professional activity and ways to improve it on the basis of self-assessment; develop, control, evaluate and research the components of professional activity; plan independent activities in solving professional problems
	ID-3.UK-6 Have practical experience in determining the effective direction of action in the field of professional activity; making decisions at the level of their own professional activities; planning their own professional activities

General professional competences (GPC)

Code and name of competence	Competence achievement indicators
GPC-2 Able to apply modern techniques and methods of data collection, advanced methods of data processing and analysis, including the use of intelligent information and analytical systems, when solving managerial and research problems;	ID-1.GPC-2 To know modern techniques and methods of data collection, advanced methods of their processing and analysis

GPC-2 Able to apply modern techniques and methods of data collection, advanced methods of data processing and analysis, including the use of intelligent information and analytical systems, when solving managerial and research problems;	ID-2.GPC-2 Be able to use intelligent information and analytical systems in solving managerial and research problems
	ID-3.GPC-2 Have practical experience in the application of database management systems in the field of economics and management
GPC-5 Able to generalize and critically evaluate scientific research in management and related fields, to carry out research projects.	ID-1.GPC-5 Know the methods, technologies and tools for generalization and critical assessment of the results of scientific research in management and economics
	ID-2.GPC-5 To be able to organize the work of creative teams to carry out research work
	ID-3.GPC-5 Have practical experience in activating the activities of team members carrying out research projects

5. SYLLABUS

Theme	Theme title	Hours					
		Total hours	Contact work (Academic study)			Self-study	Self-study control
			Lectures	Laboratory work	Practical classes		
	Semester 2	72					

Theme							
Theme 1.	Science as a kind of activity. Research methodology.	13			2	11	
Theme 2.	Modeling in empirical research. Theoretical and practical level of scientific research. General methodology of scientific creativity.	9			2	7	
Theme 3.	Organization of research work, its main stages. The choice of research methods. Quantitative and qualitative description of the object. Patent search.	9			2	7	
Theme 4.	Bibliographic search of literary sources. Study of literature and selection of factual material. Bibliographic design and index of literary sources (basic rules).	9			2	7	
Theme 5.	Techniques for presenting scientific materials for the design of an article, abstract, report, dissertation. Publication of research results in periodicals. Scientometric indicators: journal impact factor, Hirsch index, etc.	9			2	7	
Theme 6.	The technology of writing a dissertation and the accumulation of scientific information. Composition and the content of the main parts of the dissertation.	9			2	7	
Theme 7.	The art of public speaking. Composition of speech. Discussion. Preparing illustrative material for presentations.	7				7	
Theme 8.	Concepts and genres of polemical speech. Tactics and procedure for conducting polemics. Polemic techniques. The procedure for public defense and the main criteria for assessing the applicant's dissertation work.	7				7	

6. FORMS OF FORMATIVE AND SUMMATIVE ASSESSMENT
MARKING SCALES

Section/ Theme	Type of assessment	Description of assessment	Criteria of assessment
Formative assessment (Appendix 4)			
Theme 1-2.	Test №1 (Appendix 4)	Test of 20 questions	each correct answer 0.5 points

Theme 3-4-5.	Test №2 (Appendix 4)	Test of 20 questions	each correct answer 0.5 points
Theme 6-7-8.	Test №3 (Appendix 4)	Test of 20 questions	each correct answer 0.5 points
Summative assessment (Appendix 5)			
2 semester (Credit)	Final test	The test includes 50 multiple choice questions	50-100%

MARKING SCALES

The indicator for assessing the development of OBOP is formed on the basis of combining the formative and summative assessment of the student.

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

Formative assessment. A 100-point grading system is used. The assessment of the student's work during the semester is carried out by the teacher in accordance with the system for assessing educational achievements in the course of training in this subject.

In the programs of subjects and practices, the types of formative assessment, planned results of control activities and criteria for assessing educational achievements are fixed.

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

Summative assessment. A 5-point grading system is used. The assessment of the student's work at the end of studying the subject (or part of the subject) is carried out by the teacher in accordance with the system for assessing the student's achievements. Summative assessment is carried out at the end of the formation of competencies.

The procedure for transferring the rating provided by the assessment system, by subject, into a five-point system.

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

Average level - 69% - 50% - satisfactory

Assessment indicator	According to five-point system	Indicator characteristics
100% - 85%	Excellent	have 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 at a high level
84% - 70%	Good	have 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 the results. Deficiencies may be made, corrected by the student independently in the process of work (answer, etc.)
69% - 50%	Satisfactory	have general theoretical knowledge, are able to apply, research, identify, analyze, systematize, categorize, calculate indicators, classify, develop models, algorithmize, manage, organize, plan research processes, evaluate results at an average level. Mistakes are made which the student finds difficult to correct on their own.
49 % и менее	Unsatisfactory	have an incomplete 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 problems are not formed
100% - 50%	Credit	the characteristic of the indicator corresponds to "excellent", "good", "satisfactory"
49 % or less	No credit	the characteristic of the indicator corresponds to "unsatisfactory"

7. CONTENT OF THE SUBJECT

7.2 Content of practical classes and laboratory work

Theme 1. Science as a kind of activity. Research methodology.
The subject and objectives of the discipline.

Science as a sphere of human activity. Immediate goals of science. Scientific branches of knowledge. Classification of sciences: natural, technical, humanitarian. Development of scientific research in Russia and abroad. The origin and development of science. Organization of science in the Russian Federation. Legislative and regulatory legal acts governing the foundations of research activities.
Scientific research methodology.
The essence of the research methodology. Procedural and methodological research schemes. Scientific methods of cognition in research.

Theme 2. Modeling in empirical research. Theoretical and practical level of scientific research. General methodology of scientific creativity.

Modeling as a method of the empirical level of knowledge.
Methods of theoretical and empirical levels of scientific knowledge. Heuristic modeling. Heuristic models. Mathematical modeling. Historical method. Scientific research method. Experiment plan. General methodology of scientific creativity for self-development, self-realization, use of creative potential. Application of logical laws and rules. Abstract thinking, analysis, synthesis.
The requirement that arguments are true. Argument autonomy requirement - arguments must
be proven regardless of the thesis. Rules for constructing logical definitions.

Theme 3. Organization of research work, its main stages. The choice of research methods. Quantitative and qualitative description of the object. Patent search.

Scientific research. Research hypothesis. Choosing a topic and posing a problem. Formulation of the research task, formation of a plan for its implementation. Advancement and substantiation of the primary hypothesis. Theoretical research. Experimental research: An experiment or scientifically formulated experience. Analysis and comparison of results. Final conclusions: determination of the composition (construction of the internal structure) of the work; clarification of the title, paragraphs and titles of chapters; summarizes the results of the study and their relevance to the task. Validation of results.
Selection of existing, development of new and application of modern research methods. Empirical research methods. Theoretical research methods.
Quantitative and qualitative description of the object.
Independent training in new research methods, changing the scientific and scientific-production profile of their professional activities. Development of plans for research and development work, management of the progress of their implementation
Patent search.

Theme 4. Bibliographic search of literary sources. Study of literature and selection of factual material. Bibliographic design and index of literary sources (basic rules).

Types of sources, the content of which is related to the topic of scientific research: materials published in various domestic and foreign publications, unpublished documents (reports on research and development work, dissertations, deposited manuscripts, reports of specialists on foreign business trips, materials foreign firms), official materials.
Bibliographic indexes. Algorithm for studying scientific publications: general acquaintance with the work as a whole but its table of contents; a quick glance at all content; reading in the order of the sequence of the arrangement of the material; selective reading of any part of the work; extract of materials of interest; critical assessment of the recorded, its editing and "clean" recording as a piece of text of future dissertation.

Theme 5. Techniques for presenting scientific materials for the design of an article, abstract, report, dissertation. Publication of research results in
periodicals. Scientometric indicators: journal impact factor, Hirsch index, etc.

Techniques for presenting scientific materials for the design of an article, abstract, report, dissertation. Means of concise text description. Means of a detailed description of the text with the inclusion of analysis and evaluation of information. Semantic analysis of the full text. Construction of a scientific text. Reflection in the text of general scientific concepts related to the systemic nature of the object under study: hierarchy, opposition, isomorphism, invariant, etc. Categorical and philosophical understanding of the problematics of the scientific work under consideration: identification of direct indications in the text of philosophical categories, philosophical comprehension diverse source components. Typical mistakes made in the preparation of a review article, abstract, dissertation. Publication of research results in periodical journals. Scientometric indicators: journal impact factor, Hirsch index, etc.

Theme 6. The technology of writing a dissertation and the accumulation of scientific information. Composition and the content of the main parts of the dissertation.

The technology of writing a dissertation and the accumulation of scientific information. Statement of the research problem, formation of a plan for its implementation. General scheme of the dissertation research. Using scientific research methods.
Fundamentals of dissertation research. Composition and content of the main parts of the dissertation. Practical use of skills and abilities in the organization of research and design work. Preparation of materials for writing a master's thesis. Choice of theme. Planning. Bibliographic search of sources. Study of literature and selection of materials.
Algorithm for writing a master's thesis.
Development of recommendations for the practical use of the research results obtained

---

Theme 7. The art of public speaking. Composition of speech. Discussion. Preparing illustrative material for presentations.

Assessment and presentation of the results of the work performed. The art of public speaking. Public speech Requirements for the speaker's text: comprehensibility,
informativeness and expressiveness. Speaking skills: self-confidence; the ability to continuously talk on one topic; briefly, concisely express thoughts, correctly and competently build words in a sentence; the ability to interest the audience; artistry and charisma; the gift of persuasion. Features of public speech. Composition of speech. Types and methods of public speaking. Discussion. Requirements for and technology of public speaking. Preparing illustrative material for presentations.

Theme 8. Concepts and genres of polemical speech. Tactics and procedure for conducting polemics. Polemic techniques. The procedure for public defense and the main criteria for assessing the applicant's dissertation work.

Concepts and genres of polemical speech. Tactics and procedure for conducting polemics. Polemic techniques. Intellectual and psychological tricks of dispute. The order of defense of a master's thesis.
The procedure for public defense and the main criteria for assessing the applicant's dissertation work. Requirements for the master's student's report: title of master's thesis; relevance of the topic; main provisions and conclusions (results) made by the student; theoretical and practical significance of the results obtained by the student. Criteria for evaluating a master's thesis.

7.3. Content of self-study

Theme 1. Science as an activity. Scientific research methodology.

1.Study of basic and additional literature
2.Preparation for the test
(Appendix 2)

Theme 2. Modeling in empirical research. Theoretical and practical level of scientific research. General methodology
scientific creativity.

1.Study of basic and additional literature
2.Preparation for the test
(Appendix 2)

Theme 3. Organization of research work, its main stages. The choice of research methods. Quantitative and qualitative description of the object. Patent search.

1.Study of basic and additional literature
2.Preparation for the test
(Appendix 2)

Theme 4. Bibliographic search of literary sources. Study of literature and selection of factual material. Bibliographic design and index of literary sources (basic rules).

1.Study of basic and additional literature
2.Preparation for the test
(Appendix 2)

Theme 5. Techniques for presenting scientific materials for the design of an article, abstract, report, dissertation. Publication of research results in
periodicals. Scientometric indicators: journal impact factor, Hirsch index, etc.

1.Study of basic and additional literature
2.Preparation for the test
(Appendix 2)

Theme 6. Technology of dissertation writing and accumulation of scientific information. Composition and the content of the main parts of the dissertation.

1.Study of basic and additional literature
2.Preparation for the test
(Appendix 2)

Theme 7. The art of public speaking. Composition of speech. Discussion. Preparing illustrative material for presentations.

1.Study of basic and additional literature
2.Preparation for the test
(Appendix 2)

Theme 8. Concepts and genres of polemical speech. Tactics and procedure for conducting polemics. Polemic techniques. The procedure for public defense and the main criteria for assessing the applicant's dissertation work.

1.Study of basic and additional literature
2.Preparation for the test
(Appendix 2)

7.3.1. Sample questions for self-study for a credit / exam
Appendix 1.

7.3.2. Practical tasks for self-study for a credit / exam
Appendix 2.

7.3.3. List of term papers
Coursework is not included in the curriculum

7.4. Student's electronic portfolio
Placement of materials in the student's electronic portfolio is not planned

7.5. Methodical recommendations for completing control work
Control work is not planned

8. ORGANIZATION OF EDUCATIONAL PROCESS FOR PERSONS WITH DISABILITIES

At the student's request

In order to provide access to study the program for persons with disabilities, if necessary, the department provides the following conditions:
- a special order of 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;
- study of the discipline according to an individual curriculum (regardless of the form of study);
- e-learning and distance educational technologies, which provide for the possibility of receiving and transmitting information in forms accessible to them.
- access (remote access) to modern professional databases and information reference systems, the composition of which is determined by the program.

9. LIST OF BASIC AND ADDITIONAL EDUCATIONAL LITERATURE REQUIRED FOR LEARNING THE SUBJECT

USUE library website
http://lib.usue.ru/

Main literature:

1. Космин В. В. Основы научных исследований (Общий курс):учебное пособие. - Москва:
2. Кукушкина В. В. Организация научно-исследовательской работы студентов (магистров):учебное пособие по направлению подготовки 38.04.02 "Менеджмент". - Москва:

3. Овчаров А. О., Овчарова Т.Н. Методология научного исследования:учебник для студентов, обучающихся по направлению 38.04.01 "Экономика". - Москва: ИНФРА-М, 2019. - 304 с.

4. Боуш Г. Д., Разумов В. И. Методология научных исследований (в курсовых и выпускных квалификационных работах):учебник для учебных учреждений, реализующих программу высшего образования по направлениям подготовки бакалавриата, специалитета и магистратуры. - Москва: ИНФРА-М, 2019. - 210 с.

Additional literature:

1. Меняйло В. В., Тулякова Н. А., Чумилкин С. В. Академическое письмо. Лексика. Developing Academic Literacy. [Электронный ресурс]:Учебное пособие Для бакалавриата и магистратуры. - Москва: Юрайт, 2019. - 240 – Режим доступа: https://urait.ru/bcode/437602

2. Космин В.В. Основы научных исследований (Общий курс). [Электронный ресурс]:Учебное пособие. - Москва: Издательский Центр РИО�, 2016. - 227 с. – Режим доступа: https://znanium.com/catalog/product/518301

3. Волков Ю. Г. Диссертация: подготовка, защита, оформление [Электронный ресурс]:практическое пособие. - Москва: Альфа-М: ИНФРА-М, 2016. - 160 с. – Режим доступа: http://znanium.com/go.php?id=510459

10. LIST OF INFORMATION TECHNOLOGIES, INCLUDING LIST OF LICENSED SOFTWARE AND INFORMATION HELP SYSTEMS, ONLINE COURSES FOR THE EDUCATIONAL PROCESS

List of licensed software:

Microsoft Windows 10 .Договор № 52/223-ПО/2020 от 13.04.2020, Акт № Tr000523459 от 14.10.2020. Срок действия лицензии 30.09.2023.

Astra Linux Common Edition. Договор № 1 от 13 июня 2018, акт от 17 декабря 2018. Срок действия лицензии - без ограничения срока.

Microsoft Office 2016.Договор № 52/223-ПО/2020 от 13.04.2020, Акт № Tr000523459 от 14.10.2020 Срок действия лицензии 30.09.2023.

МойОфис стандартный. Соглашение № СК-281 от 7 июня 2017. Дата заключения - 07.06.2017. Срок действия лицензии - без ограничения срока.

Libre Office. Лицензия GNU LGPL. Срок действия лицензии - без ограничения срока.

Adobe Acrobat DC Pro. Договор № 140/223-ПО/2020 от 19.10.2020. Срок действия лицензии 13.12.2021.

The list of information reference systems, resources of the information and telecommunications network "Internet":

Справочно-правовая система Консультант +. Договор № 163/223-У/2020 от 14.12.2020. Срок действия лицензии до 31.12.2021

Справочно-правовая система Гарант. Договор № 58419 от 22 декабря 2015. Срок действия лицензии -без ограничения срока

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

Teaching the subject is carried out using the material and technical base of USUE, which ensures the conduct of all types of training sessions and research and independent work of students:

Special rooms are classrooms for all types of classes, group and individual consultations, monitoring and summative assessment.

Premises for self-study of students are equipped with computers connected 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 telecommunication, computers), access to information, reference and legal systems, electronic library systems, databases of current legislation, and other information resources to present educational information to a large audience.

For lecture-type lessons, presentations and other teaching aids provide thematic illustrations.