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MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION Ural State University of E

**Approved**

at the meeting of the Department

December 09, 2020

protocol No. 3

Head of the Department

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*(signature)*

Plakhin A.E.

**Approved**

Council for educational and methodological  
issues and quality

January 20, 2021

protocol No. 6

Chairperson \_\_\_\_\_ Karkh D.A.

*(signature)*

**THE PROGRAM OF THE DISCIPLINE**

Module	Б1.О.02 Methodology and Research Methods in Management
Field of Study	38.04.02 MANAGEMENT
Profile	All profiles
The form learning	Full-time and correspondence
Year of recruitment	2021

Made by:

Ph.D., docent

\_\_\_\_\_ Plakhin A.E.

*(signature)*

Ekaterinburg  
Feb 2021

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## INTRODUCTION

The 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 of Higher Education

FGOS VO	Federal State Educational Standard of Higher Education - Master's degree in the direction of preparation 04/38/02 Management (order of the Ministry of Education and Science of Russia No. 952 dated 08/12/2020)
PS	

### 1. GOAL DEVELOPMENT DISCIPLINES

The purpose of mastering the discipline "Methodology and research methods in management" is the theoretical study and mastery of practical skills in relation to the methods used in the research of management problems.

### 2. A PLACE DISCIPLINES V STRUCTURE OBOP

Discipline refers to the core of the curriculum.

### 3. SCOPE OF DISCIPLINE

Intermediate control	Hours					Z. e.
	Total for a semester	Contact work. (Academic study)			Independent work including preparation of control and coursework	
		Total	Lectures	Practical lessons, including course design		
Semester 1						
Graded credit	108	12	4	eight	96	3

### 4. PLANNED RESULTS DEVELOPMENT OBOP

As a result of mastering OBEP, 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
UK-1 Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	ID-1.UK-1 Know: methods of critical analysis; system approach methodology; methods of identifying a problem situation
	ID-2.UK-1 Be able to: identify problem situations, search for information and solutions

UK-1 Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	ID-3.UK-1 Have practical experience in developing and arguing a strategy for solving a problem situation based on a systematic approach
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General professional competences (GIC)

Code and name of competence	Competence achievement indicators
OPK-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.OPK-2 Know modern techniques and methods of data collection, advanced methods of their processing and analysis
	ID-2.OPK-2 Be able to use intelligent information and analytical systems in solving managerial and research problems
	ID-3.OPK-2 Have practical experience in the application of database management systems in the field of economics and management

**5. THEMATIC PLAN**

Theme	Hours				
	Topic name	Total	Contact work. (Academic study)	Samost.	Control

		hours	Lectures	Laboratory	Practical lessons	Work	independent work
Semester 1		108					
Topic 1.	Control system as an object, research. The role of research in management development	13.5	0.5		1	12	
Topic 2.	Control systems research methodology	13.5	0.5		1	12	
Topic 3.	System analysis as a research method in management	13.5	0.5		1	12	
Topic 4.	Testing in control systems research	13.5	0.5		1	12	
Topic 5.	Sociological research of control systems	13.5	0.5		1	12	
Topic 6.	Expert assessment methods	13.5	0.5		1	12	
Topic 7.	Diagnostics of control systems	13.5	0.5		1	12	
Topic 8.	Planning and organization of research, its scientific and practical effectiveness	13.5	0.5		1	12	

### **6. FORMS Of the CURRENT CONTROL AND INTERMEDIATE APPROVALS SCALES EVALUATIONS**

Section / Topic	Evaluation tool type	Description of the evaluation tool	Evaluation criteria
Current control (Appendix 4)			
Topic 1-2	Test 1	The test represents the answers to the questions The number of questions is 5-10. 0.5-1 points for each correct answer	5 points
Topic 3-4	Test 2	The test represents the answers to the questions The number of questions is 5-10. 0.5-1 points for each correct answer	5 points
Topic 5-6	Test 3	The test represents the answers to the questions The number of questions is 5-10. 0.5-1 points for each correct answer	5 points
Topic 7-8	Test 4	The test represents the answers to the questions The number of questions is 5-10. 0.5-1 points for each correct answer	5 points
Intermediate control (Appendix 5)			

1 semester (ZAO)	Qualified tickets	The test provides for a written answer to 2 theoretical questions	<p>Max. 100 points</p> <p>Certification of students in the discipline is carried out according to the level of the achieved result in the formation of the relevant competencies. The assessment is carried out using a point-rating system in accordance with the "Regulations on the academic rating".</p> <p>From 85% - excellent  75 to 84% - good  51 to 74% - satisfactory  Less than 50% - unsatisfactory</p>
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### DESCRIPTION OF THE SCALES

The indicator for assessing the development of OBOP is formed on the basis of combining the current and intermediate attestation of the student.

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

Current certification. 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 discipline developed by him.

In the programs of disciplines and practices, the types of current certification, planned results of control activities and criteria for assessing educational achievements are fixed.

During the semester, the teacher conducts at least 3 control events 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 discipline.

Interim certification. A 5-point grading system is used. The 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 for assessing the student's achievements in the course of training in this discipline developed by him. Interim certification is also carried out at the end of the formation of competencies.

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

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

Average level - 69% - 50% - satisfactory.

Score indicator	On a 5-point system	Characteristics of the indicator
100% - 85%	Great	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%	OK	have theoretical knowledge in full, understand, independently are able to apply, research, identify, analyze, systematize, categorize, calculate indicators, classify, develop models, algorithmize, manage, organize, plan research processes, evaluate results.  Deficiencies may be made, corrected by the student independently in the process of work (answer, etc.)
69% - 50%	satisfactorily	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 that the student finds it difficult to correct on their own.
49% or less	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 skills for solving professional problems are not formed
100% - 50%	credited	the characteristic of the indicator corresponds to "excellent", "good", "satisfactory"
49% or less	not credited	the characteristic of the indicator corresponds to "unsatisfactory"

## 7. CONTENT DISCIPLINES

### 7.1. Content of lectures

<p>Topic 1. Control system as an object, research. The role of research in management development The essence and content of the control system (CS). The composition and characteristics of the subsystems of the control system. Signs of a control system and principles of its construction. Control system properties.</p>
<p>Topic 2. Methodology of research of control systems General provisions of the research methodology: approaches, methods, principles, goals, objectives, hypotheses, means, concepts, organization procedures. Research approaches: aspect, system, conceptual. Research concept: features, principles of construction, role in the organization and research methodology. A dialectical approach to research. The principles of the dialectical approach. Dialectic laws.</p>
<p>Topic 3. System analysis as a research method in management A systematic approach to research and its basic principles. System analysis as a system approach tool. System analysis of the research object.</p>
<p>Topic 4. Testing in the study of control systems  Experimental method. Socio-economic experiment as a control element. Testing as a type of experimental study of an operating system. The main tasks of testing. Types of testing: autonomous and complex, full-scale and in imitation conditions, one-factor and multi-factor.</p>
<p>Topic 5. Sociological research of control systems The essence and main focus of sociological research. Classification of sociological research. Stages of sociological research. Applied Sociological Research. The essence of the basic basic methods of sociological research. Observation methods.</p>
<p>Topic 6. Methods of expert assessments Classification of methods based on identifying and summarizing the opinions of specialists and experts. How experts work. Stages of examination. Forms of work of the expert group.</p>
<p>Topic 7. Diagnostics of control systems  Diagnostics of control systems: concept and types. Organizational pathologies: hereditary and situational. Structural pathology. Pathology of management decisions; their types and symptoms. Organizational behavior pathologies.</p>
<p>Topic 8. Planning and organization of research, its scientific and practical effectiveness The main provisions of the planning process for the study of control systems. Research plan and program. Contents of sections and stages of research. Organization of development and execution of a business plan for the study of management systems. Development of a research program. Research organization principles.</p>

## 7.2 Content of practical exercises and laboratory work

<p>Topic 1. Control system as an object, research. The role of research in management development The organization's management system as an object of research. Research as an integral part of the organization's management. Research as a scientific work and as a type of cognitive activity. The functional role of research in the development of control systems. Research problem: origin, assessment, content.</p>
<p>Topic 2. Methodology of research of control systems A complex approach. Integration approach. Situational approach. Marketing approach. An innovative approach. Behavioral approach. Process approach to research. Reflective approach. Research methods: general scientific, specific (formal) and logical-intuitive. Hypothesis and its role in research. Clarification and fixing of problems.</p>
<p>Topic 3. System analysis as a research method in management Exploring the characteristics of the organization's input, process and output.</p>
<p>Topic 4. Testing in the study of control systems  Organization of system testing. Measurement of quantitative and qualitative characteristics. System testing methodology and its stages. Methods of collecting information.</p>



<p>Topic 5. Sociological research of control systems A method of studying documentation. Content analysis. Comparison method. Measurement method. General population and sample. Representativeness of the sample. Formation of a sample of sociological research. Basic rules for formulating questions.</p>
<p>Topic 6. Methods of expert assessments Expertise program. Brainstorming Method, Scenarios Method, Expert Assessment Method (SWOT Analysis), Delphi Method, Goal Tree Method, Business Game Method.</p>
<p>Topic 7. Diagnostics of control systems  Classification of diagnostic methods for control systems. Diagnostic technique, sequence of work.</p>
<p>Topic 8. Planning and organization of research, its scientific and practical effectiveness Research methodology. Methodology for rationalizing the management apparatus. Forms of research organization in management. Consulting as a form of organizing the process of researching control systems.</p>

### 7.3. Content of independent work

<p>Topic 1. Control system as an object, research. The role of research in management development The main characteristics of the research: object and subject, goals and objectives, methodology, resources, efficiency and results. Research of control systems and its main content. Research classification. Research team, its composition and qualifications.</p>
<p>Topic 2. Methodology of research of control systems Research hypothesis. Types of hypotheses: general and auxiliary, universal and particular, primary and secondary, working, setting, theoretical and practical, prognostic and programmatic, etc. Requirements for scientific hypotheses. Principles of hypothesis building.</p>
<p>Topic 3. System analysis as a research method in management Systemic representation of job satisfaction. System analysis program.</p>
<p>Topic 4. Testing in the study of control systems  Building a system testing model. Marketing testing. Personality testing. Introductory provisions. Prerequisites and criteria for personality testing. Stages and rules of personality testing. Test typology.</p>
<p>Topic 5. Sociological research of control systems Types of questions. Organization and conduct of sociological research. Sociological service of the organization, its tasks and functions.</p>
<p>Topic 6. Methods of expert assessments Aims and objectives of the methods. Morphological research.</p>
<p>Topic 7. Diagnostics of control systems  The essence of express diagnostics of the control system. Basic work on diagnostics of control systems.</p>
<p>Topic 8. Planning and organization of research, its scientific and practical effectiveness Sources of information for the study of control systems. Conclusion of an agreement for the applied research of the control system. The concept of "research effectiveness" and the principles on which it depends. Sources of social effects: scientific and technical, economic, social, resource, environmental, etc. Statement of objectives and the establishment of efficiency criteria. Research report. Structure and main issues of the report. Report requirements.</p>

7.3.1. Sample questions for self-preparation for a test / exam  
Annex 1

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

7.3.3. List of term papers  
The curriculum is not provided

7.4. Student electronic portfolio  
Materials are not posted

7.5. Methodical recommendations for the implementation of control work  
The curriculum is not provided

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

## **eight. PECULIARITIES ORGANIZATIONS EDUCATIONAL PROCESS ON DISCIPLINE FOR PERSONS WITH LIMITED OPPORTUNITIES HEALTH**

### ***By a statement student***

V purposes accessibility assimilation programs for persons with limited opportunities health at the need chair provides the following conditions:

- special order assimilation discipline, with taking into account fortunes their health;
- electronic educational resources on discipline v forms, adapted To restrictions their health;
- the study disciplines on individual educational plan (outside dependencies from shape training);
- electronic education and remote educational technologies, which envisage possibilities reception and transmission information v available for them forms.
- access (remote access), To modern professional bases data and information reference systems composition which defined RPD.

## **nine. SCROLL BASIC AND ADDITIONAL EDUCATIONAL LITERATURE, NECESSARY FOR DEVELOPMENT DISCIPLINES**

### **Site libraries USUE**

<http://lib.usue.ru/>

### **Main literature:**

1. Tsvetkov AN, Zarembo VE Methods of solving creative problems in management: teaching and practical guide. - Moscow: KnoRus, 2012.-- 151 p.

1. Korotkova T. L. Research in management: a guide for masters: a textbook for undergraduates in the direction of "Management". - Moscow: KURS: INFRA-M, 2014.-- 256 p.

2. Fomichev A. N. Research of management systems [Electronic resource]: a textbook for undergraduate students studying in the direction of training "Management", profiles "Production management", "Small business management", "Project management" and other economic profiles. - Moscow: Dashkov and K °, 2017.-- 348 p. - Access mode: <http://znanium.com/go.php?id=415195>

3. Korotkova T. L. Research in management: a guide for masters [Electronic resource]: a textbook for undergraduates in the direction of "Management". - Moscow: KURS: INFRA-M, 2014.-- 256 p. - Access mode: <http://znanium.com/go.php?id=450948>

4. Rodionova NV Research methods in management. Organization of research activities. Module I [Electronic resource]: a textbook for university students studying in the direction of training 080200 "Management". - Moscow: UNITY-DANA, 2017 .-- 415 p. - Access mode: <http://znanium.com/go.php?id=1028883znanium.com>

**Additional literature:**

1. Makasheva ZM Research of control systems: a textbook on the specialty "Management org." - Moscow: KnoRus, 2009 .-- 175 p.

2. Alekseenko VB, Ivanova TB Tops: components of success, or How to achieve efficiency in business management: a tutorial. - Moscow: Peoples' Friendship University of Russia, 2010 .-- 456 p.

4. Freidina EV, Gusev Yu. V. Research of control systems: a textbook on the specialty "Management of the organization". - Moscow: Omega-L, 2013 .-- 367 p.

5. Glukhov V. V., Mednikov M. D. Mathematical models of management: a tutorial. - St. Petersburg: Lan, 2018 .-- 496 p.

**ten. SCROLL INFORMATION TECHNOLOGIES, INCLUDING SCROLL LICENSE SOFTWARE SUPPORT AND INFORMATION REFERENCE SYSTEMS, ONLINE COURSES, USED AT IMPLEMENTATION EDUCATIONAL PROCESS ON DISCIPLINE**

**List of licensed software:**

Astra Linux Common Edition. Contract No. 1 from 13 June 2018, Act from 17 December 2018. Term actions licenses - without restrictions term.

My office standard. Agreement No. SK-281 from 7 June 2017. date conclusions - 07.06.2017. Term actions licenses - without restrictions term.

Microsoft Windows ten .The contract No. 52/223-PO / 2020 from 04/13/2020, Act No. Tr000523459 from 10/14/2020. Term actions licenses 30.09.2023.

Microsoft Office 2016 Agreement No. 52/223-PO / 2020 from 04/13/2020, Act No. Tr000523459 from 10/14/2020 Term actions licenses 30.09.2023.

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

Reference and legal system Guarantee. Contract No. 58419 from 22 December 2015. Term actions licenses -without restrictions term

Reference and legal system Consultant +. Contract No. 163/223-U / 2020 from 12/14/2020. Term actions licenses before 12/31/2021

**eleven. DESCRIPTION MATERIAL AND TECHNICAL BASES, NECESSARY FOR IMPLEMENTATION EDUCATIONAL PROCESS ON DISCIPLINE**

Implementation educational disciplines carried out with using logistical base USUE, providing holding of all species educational occupations and research and independent work students:

Special premises present by myself educational audience for holding of all species classes, group and individual consultations, the current control and intermediate certification.

Premises for independent work learners equipped with computer technique with opportunity connectivity To the network "Internet" and providing access v electronic information and educational Wednesday USUE.

Everything premises staffed specialized furniture and equipped with multimedia equipment special equipment (information and telecommunication, other computer), access To information retrieval, legal reference systems electronic library systems bases data the current legislation, other information resources employees for representation educational information big audience.

For holding occupations lecture type presentations and other educational-visual benefits, providing thematic illustrations.