PJSC "Higher Educational Institution
"INTERREGIONAL ACADEMY OF PERSONNEL MANAGEMENT"

МАУП

SYLLABUS

of the academic discipline

FUNDAMENTALS OF SCIENTIFIC RESEARCH IN MANAGEMENT

Level of higher education: first (bachelor's) level

Field of knowledge: D Business, Administration and Law

Specialty: D3 Management

Study program: Management

IAPM 2025

General information about the academic discipline

Name of the academic discipline	Fundamentals of scientific research in management
Code and name of the specialty	D3 Management
Level of higher education	first (bachelor's) level
Discipline status	Compulsory
Number of credits and hours	3 credits/90 hours Lectures: 20 hours Seminar classes: 14 hours Independent work of students: 56 hours
Terms of study of the discipline	8 semester
Language of instruction	Ukrainian
Final control type	Exam

General information about the instructor. Contact information.

Full name of the instructor	Oleksii Miroshnychenko
Academic degree	PhD in Economic Sciences
Position	Associate Professor of the Department of Economics and Management
Areas of scientific research	Sociocultural aspects of modern management; historical memory and national identity as resources for socially responsible business; HR management and language policy in organizations; methodology of scientific research in the context of digitalization and military challenges.
Links to the registers of identifiers for scientists	Google Scholar: https://surl.li/phtpof ORCID: https://orcid.org/0009-0002-4404-2766
Contact information	
E-mail:	menedzmentuk@gmail.com
Department phone	+380677445957
Instructor’s portfolio on the website	https://izmail.maup.com.ua/assets/files/miroshnichenko-portfolio-a.pdf

Discipline's description.
The course "Fundamentals of Scientific Research in Management" is aimed at preparing students for a systematic understanding of the methodology and organization of scientific research in management. During the course, students receive theoretical knowledge and practical skills necessary for independent research, writing scientific articles, building a scientific apparatus, choosing research methods and substantiating the results. Special attention is paid to critical thinking, research logic, adherence to academic integrity and practical application of results in management. The course provides the methodological foundations necessary for the implementation of scientific work.

The subject of the discipline. There are relevant issues of the process of scientific knowledge in management, the methodology of scientific research, the structure of scientific knowledge, forms and methods of research activity and characteristics of the organization, the design and presentation of the results of scientific research in management.

The aim of the discipline is to form in students basic knowledge and practical skills for conducting scientific research in the field of management, in particular, the ability to define a scientific problem, formulate the goal and objectives of the study, select adequate methods, collect and analyze information, interpret the results and present them in accordance with the principles of academic integrity. The course is aimed at developing in students the ability to independently formulate scientific problems, justify the object and subject of the study, set goals and objectives, choose adequate research methods, collect, systematize and analyze information, and correctly present the results in accordance with academic standards. Special attention is paid to the development of critical thinking, an analytical approach to solving management problems, adherence to the principles of academic integrity, and the development of the ability to use the results of scientific research in modern management practice and present them in the form of comprehensive scientific papers.

The objectives of the discipline:

1. Introducing students to the basics of science, methodology and logic of scientific knowledge in management.
2. Developing an understanding of the structure and stages of scientific research, in particular the formulation of the object, subject, hypotheses, goals and objectives.
3. Acquiring skills in searching, selecting and critically analyzing scientific information using modern digital resources.
4. Mastering the basic methods of collecting and processing empirical data used in management.
5. Developing skills in statistical processing and visualization of research results.
6. Acquiring skills in preparing scientific texts of various types in accordance

with the requirements of academic integrity and scientific standards.
7. Developing skills in presenting research results in oral and written forms.
8. Developing the ability to plan one's own scientific and educational projects, work with information and data at a basic level.

Prerequisites for the discipline:
The course is general and interdisciplinary in nature. It is related to all economic sciences taught to managers in higher education.

Post-requisites for the discipline:
the following disciplines continue the study of this subject: “Finance”, “Financial Statistics”, “Business Analysis”, “Business Economics”, “Business Reporting”, “Insurance”.

Program competences

General competences	GC4. Ability to apply knowledge in practical situations GC7. Ability to communicate in a foreign language. GC15 Ability to act based on ethical considerations (motives). GC16. Ability to make decisions and act in accordance with the principle of zero tolerance for corruption and any other forms of misconduct.
Special competences	SC6. Ability to act in a socially responsible and conscious manner.
Intended learning outcomes	ILO13. Communicate effectively in oral and written form in the state and foreign languages. ILO16. Demonstrate self-directed work skills, flexible thinking, openness to new knowledge, and the ability to be critical and self-critical. ILO17. Conduct research individually and/or in a group under the supervision of a leader.

Content of the academic discipline

№	Topics	Number of hours, of which :			Teaching methods /assessment methods
		Lectures	**Seminars**	**Independent work**	
8th semester Content module 1. Theoretical foundations of scientific research in management					**Teaching methods:** explanatory and illustrative (traditional lecture); solving situational problems and cases;
Topic	Organization of research	2	1	4	

1.	work of higher education students.				preparing and presenting mini-studies; working with scientific databases; brainstorming; team implementation of research projects; preparing a scientific paper or analytical review of the literature; using scientific online platforms. **Assessment methods:** oral control (oral survey, assessment of participation in discussions, other interactive learning methods); written control (tests, independent work, essays); test control; method of self-control and self-assessment; assessment of case tasks.
Topic 2.	Methodology of scientific research in management.	2	1	6	
Topic 3.	Scientific problem, goal, hypotheses and research objectives	2	2	6	
Topic 4.	Methods of scientific research in management	2	2	6	
Topic 5.	Organization of scientific research and work planning	2	1	6	
Content module 2. Practical implementation of research in management					
Topic 6.	Methods of collecting and analyzing data in management.	2	1	4	
Topic 7.	Statistical principles of processing research results	2	1	6	
Topic 8.	Organization of experiments and research in the field of management	2	2	6	
Topic 9.	Preparation of scientific texts and presentation of research results	2	2	6	
Topic 10.	Practical aspects of conducting student research in management. Implementation of scientific research results and their effectiveness.	2	1	6	
Modular test					
Total:		20	14	56	
Final assessment: exam					

Technical equipment and/or software – official website of IAPM:

http://IAPM.com.ua The educational process involves the use of classrooms, a library, a multimedia projector, and a computer for conducting lectures and seminars with presentation elements. Studying individual topics and completing practical tasks requires access to internet resources, which is provided through a free Wi-Fi network.

Forms and methods of assessment.

Assessment of students' academic performance is divided into ongoing and final (semester) assessment.

Ongoing assessment is conducted during practical (seminar) classes and is aimed at systematically checking the understanding and assimilation of theoretical material, as well as the ability to apply theoretical knowledge when completing practical tasks. The possibilities of ongoing assessment are extensive: it can support learning motivation, stimulate educational and cognitive activity, enable a differentiated approach to teaching, and ensure individualization of the learning process.

Forms of student participation in the educational process subject to ongoing assessment include:

- oral reports;
- comments and questions to the speaker;
- consistent performance in seminar classes and active participation in discussions;
- participation in debates and interactive learning activities;
- analysis of legislation and academic literature;
- written assignments (tests, quizzes, creative tasks, essays, etc.);
- preparation of theses and summaries of academic or scientific texts;
- independent study of course topics.

Methods of ongoing assessment include: oral assessment (interview, discussion, report, presentation, etc.); written assessment (tests, essays, written presentations on assigned topics, etc.); combined assessment; presentation of independent work; observation as a method of assessment; testing; analysis of problem situations.

Grading system and requirements.
Table of distribution of points received by students

	Ongoing knowledge assessment										Modular assessment task	Exam	Total points
Topics	Topic 1	Topic 2	Topic 3	Topic 4	Topic 5	Topic 6	Topic 7	Topic 8	Topic 9	Topic 10	20	40	100
Work in a seminar	3	3	3	3	3	3	3	3	3	3			
Independent work	1	1	1	1	1	1	1	1	1	1			

The table contains information about the maximum points for each type of assignment.

When assessing the mastery of each topic within ongoing educational activities, students receive marks in accordance with the approved assessment criteria for the respective discipline.

The criteria for evaluating learning outcomes and the distribution of points are regulated by the Regulations on the Assessment of Students' Academic Achievements at PJSC "HEI IAPM".

Modular assessment. Modular assessment in the discipline "Fundamentals of scientific research in management" is conducted in written form as testing using closed-type test items, including alternative and matching formats.

Criteria for evaluating the modular test in the academic discipline "Fundamentals of scientific research in management":

When evaluating the modular test, the volume and correctness of the completed tasks are taken into account:

- the grade "excellent" (A) is given for the correct completion of all tasks (or more than 90% of all tasks);
- the grade "good" (B) is given for the completion of 80% of all tasks;
- the grade "good" (C) is given for the completion of 70% of all tasks;
- the grade "satisfactory" (D) is given if 60% of the proposed tasks are completed correctly;
- the grade "satisfactory" (E) is given if more than 50% of the proposed tasks are completed correctly;
- the grade "unsatisfactory" (FX) is given if less than 50% of the tasks are completed.

Absence from the modular test work - 0 points.

The above grades are transformed into rating points as follows:

"A" - 18-20 points;
"B" - 16-17 points;
"C" - 14-15 points;
"D" - 12-13 points.
"E" - 10-11 points;
"FX" - less than 10 points.

The final semester assessment in the academic discipline "Fundamentals of scientific research in management" is a mandatory form of evaluating student learning outcomes. It is conducted within the period established by the academic schedule and covers the volume of material defined in the course syllabus.

The final assessment is administered in the form of an exam. A student is admitted to the exam only if all required coursework specified in the syllabus has been completed.

The final (semester) grade for a discipline assessed by examination consists of two components: the results of ongoing assessment and the exam grade.

The maximum number of points for ongoing assessment is 60, and the maximum for the exam is 40.

The minimum number of points required to pass the exam is 25.

The grade for ongoing assessment is formed as the sum of rating points earned by the student during seminar/practical classes and any incentive (bonus) points, if applicable.

After evaluating a student's exam responses, the instructor adds the exam score to the points earned for ongoing assessment to determine the final grade for the course.

Scale for the assessment of exam tasks

Scale	Total points	Criteria
Excellent level	30–40	The task is completed with high quality; the student has achieved the maximum score in the assessment of theoretical knowledge.
Good level	20–29	The task is completed with high quality and a sufficiently high proportion of correct answers.
Satisfactory level	10–19	The task is completed with an average number of correct answers; the student has demonstrated theoretical knowledge with significant errors.
Unsatisfactory level	0–9	The task is not completed; the student has demonstrated theoretical knowledge with major errors.

Assessment of additional (individual) types of educational activities. Additional (individual) types of educational activity include student participation in scientific conferences, research societies and problem groups, preparation of publications, and other activities beyond the tasks defined in the syllabus of the academic discipline.

By decision of the department, students who engage in research work or complete certain types of additional (individual) educational activities may receive incentive (bonus) points for a specific educational component.

Incentive points are not mandatory and are not included in the standard point distribution table or the main assessment scale.

A single event may serve as the basis for awarding incentive points for only one educational component – the one to which it is most relevant.

Assessment of independent work

The total number of points earned by a student for completing independent work is one of the components of academic performance in the discipline. Independent work for each topic, in accordance with the course program, is evaluated

within the range of 0 to 1 points using standardized and generalized knowledge assessment criteria.

Scale for evaluating the performance of independent work (individual tasks)

The maximum possible assessment of independent work (individual tasks)	Execution level			
	Excellent	Good	Satisfactory	Unsatisfactory
1	1	0,75	0,5	0

Forms of assessment include: ongoing assessment of practical work; ongoing assessment of knowledge acquisition based on oral responses, reports, presentations, and other forms of participation during practical (seminar) classes; individual or group projects requiring the development of practical skills and competencies (optional format); solving situational tasks; preparation of summaries on independently studied topics; testing or written examinations; preparation of draft articles, conference abstracts, and other publications; other forms that ensure comprehensive assimilation of the study program and contribute to the gradual development of skills for effective independent professional (practical, scientific, and theoretical) activity at a high level.

To assess the learning outcomes of a student during the semester, a 100-point, national and ECTS assessment scale is used

Summary assessment scale: national and ECTS

Total points for all types of learning activities	ECTS assessment	National scale assessment for exam, course project (work), internship	
		National scale assessment for exam, course project (work), internship	For pass/fail (credit)
90 – 100	A	excellent	pass
82 – 89	B	good	
75 – 81	C		
68 – 74	D	satisfactory	
60 – 67	E		
35 – 59	FX	unsatisfactory with the possibility of retaking	fail unsatisfactory with the possibility of retaking

0 – 34	F	unsatisfactory with mandatory re-study of the discipline	fail unsatisfactory with mandatory re-study of the discipline

Discipline's Policy:
- regularly attend lectures and practical classes;
- work systematically and actively in lectures and practical classes;
- catch-up on missed classes;
- perform the tasks required by the syllabus in full and with appropriate quality;
- perform control and other independent work;
- adhere to the norms of academic behaviour and ethics.

The academic discipline "Fundamentals of scientific research in management" requires adherence to the principles of ethics and academic integrity, with particular emphasis on preventing plagiarism in all its forms. All written assignments, reports, essays, abstracts, and presentations must be original, authored by the student, and not overloaded with quotations, which must be accompanied by references to primary sources. Violations of academic integrity include academic plagiarism, self-plagiarism, fabrication, falsification, copying, deception, bribery, and biased evaluation.

Student assessment is based on participation and activity in seminar/practical classes, completion of independent work tasks, and performance of assignments aimed at developing practical skills and competencies. Additional (bonus) points may be awarded for activities such as participation in round-table discussions, scientific conferences, or student research competitions.

Methodological support of the academic discipline

Teaching and methodological support for the discipline includes lecture notes, methodological guidelines for conducting practical (seminar) classes, and methodological recommendations for students' independent work in the academic discipline "Fundamentals of scientific research in management".

Recommended sources of information:

Basic literature:

1. Alekseeva S.V. Research methodology and academic integrity: challenges in the context of digitalization. Origins of pedagogical skill. 2024. No. 34. Pp. 5-8.
2. Babukh I. Relevance and specificity of modern methodology of scientific research. Herald of Khmelnytskyi National University. Economic Sciences. 2023. No. 318(3). P.291-294.
3. Galyan O.V. Methodology of scientific research and academic integrity.

Second edition, revised and supplemented. Lutsk: Vezha-Druk, 2023. 38 p.
4. Karpenko N.V., Pedchenko N.S., Ivannikova M.M., Birta G.O., Strilets V.Yu. Empirical methods of scientific research – theory and practical experience. Scientific Bulletin of the Poltava University of Economics and Trade. Economic Sciences Series. 2024. No. 4(114). P. 108-113.
5. Levkiv G.Ya., Smolinska O.Ye., Lototskyi , O.R. (). Methodology of scientific research in management: modern approaches, tools and teaching prospects. Current issues of economic sciences. 2025. No. 9.https://doi.org/10.5281/zenodo.15024417
6. Methodology of scientific research and examples of its use [Electronic resource]: textbook / Samsonov V. V., Silvestrov A. M., Tachynina O. M.; National University of Food Technologies. Electronic text data (1 file: 6 MB). Kyiv: National University of Food Technologies, 2022. 385 p. Title from the screen.
7. Methodology and organization of scientific research: a textbook / compiled by N. V. Rashkevych, Yu. A. Otrosh. Kharkiv, 2022. 291 p.
8. Nikiforov P., Babukh I. Methodology of scientific research as a special branch of economic science: modern understanding and new approaches. Mechanism of economic regulation. 2023. No. 3(101). pp. 73-77.
9. Starosta V. I. Methodology of scientific research: teaching-methodical manual for independent work of students. Uzhgorod: State Higher Educational Institution "UzhNU", 2023. 2nd ed., corrected and supplemented. 72 p.
10. Strilets V. Yu., Pedchenko N. S., Birta G. O., Karpenko N. V., Ivannikova M. M. Advantages and disadvantages of using artificial intelligence in scientific research. Scientific Bulletin of the Poltava University of Economics and Trade. Series "Technical Sciences". 2024. No. 2. Pp. 63-68.

Additional literature:

1. Bhattacherdzhi A., Sytnyk N. Methodology and organization of scientific research: research in socio-economic sciences. Textbook. 2nd ed., revised and supplemented. K.: NTUU "KPI named after Igor Sikorsky", 2022. 173 p.
2. Dudarev, I.M., Kuzmin, O.V. Workshop on the methodology of scientific research: a teaching manual. Odesa: Oldi+. 2023. 278 p.
3. Medvid V. Yu., Danko Yu. I., Koblyanska I. I. Methodology and organization of scientific research: textbook. Sumy: SNAU, 2020. 220 p.
4. Semendyak V. Modern perception of F.W. Taylor's "principles of scientific management". Economy and Society. 2022. No. 40).https://doi.org/10.32782/2524-0072/2022-40-40
5. Totska O.L. T 63 Fundamentals of scientific research and academic integrity [Electronic edition]: methodical instructions for independent work. Lutsk: Volyn National University named after Lesia Ukrainka, 2023. 72 p.
6. Bratus G.A., Mazur Y.V., Kalina I.I.Conceptualization of innovative development of the national economy in the context of European integration.No. 4 (63) (2021): Scientific papers of the Interregional Academy

of Personnel Management. Economic Sciences. DOI:https://doi.org/10.32689/2523-4536/63-2
7. Bratus G. A., Mogilevska O. Yu., Maidan S. V. Intellectual property as a strategic component of business. Contemporary issues of economics and law: collection of scientific works. Kyiv: KMU. 2020. Issue 1(11). Pp. 25–33.
8. Bratus G. A. Transformational approach to the structural architectonics of intellectual property. Entrepreneurship and innovation. Kyiv: Publishing house "Helvetica". 2019. No. 10. pp. 31–38.
9. Bratus G. A.Methodological aspects of the commercialization of intellectual property as a form of entrepreneurial activity in the innovation sphere.University research notes. Khmelnytsky. Publ. HUUP. 2019. No. 4. P. 149–159.
10. Bratus G. A. General features of the theory of intellectual property and its protection. Contemporary issues of economics and law: collection of scientific works. Kyiv: KMU. 2019. Issue 2(10). Pp. 9–16.
11. Bratus G. A.Intellectual Property Management in the Context of Scientific and Technological Development of the Economy of Ukraine: Theory, Methodology, Practice. Kyiv: DKS Center, 2020. 392 p.
12. Bell, E., Bryman, A., & Harley, B. (2022). Business Research Methodshttps://global.oup.com/ukhe/product/business-research-methods-9780198869443
13. Creswell, JW, & Creswell, JD (2018). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches (5th ed.). SAGE. https://spada.uns.ac.id/pluginfile.php/510378/mod_resource/content/1/creswell.pdf

Information resources:

1. Law of Ukraine "On Higher Education" (dated July 1, 2014, No. 1556-VII) https://zakon.rada.gov.ua/laws/show/1556-18 CIS Legislation+2Erasmus+ Ukraine+2
2. Law of Ukraine "On Education"https://mon.gov.ua/npa/law-education Ministry of Finance of Ukraine
3. Law of Ukraine "On Academic Integrity"https://en.naqa.gov.ua/wp-content/uploads/2021/02/Bill-on-Academic-Integrity_EN.pdf