

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

NATIONAL TECHNICAL UNIVERSITY
«KHARKIV POLYTECHNIC INSTITUTE»

Methodological Guidelines for Independent Study in the discipline “Modern Research Methods in Management” for students of the third (doctoral) level of higher education, leading to the Doctor of Philosophy (PhD) degree in Management, within the Educational and Scientific Programme “Management”, specialty D3 “Management, field of knowledge”, D “Business, Administration and Law”, for all modes of study.

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INTRODUCTION

Management plays a key role in the effective operation of any business organization. Growing competition and economic instability create conditions in which the organization must constantly analyze its condition and assess the prospects of its activities. In this regard, the training of economic specialists with the skills of information search and critical thinking when choosing directions for solving applied problems of business organization plays an important role. Methodological guidelines for independent work on the academic discipline "Modern Research Methods in Management" are developed to assist in the study and organization of independent work of a PhD student.

The presented material orients students to the study of primary sources and literature, which contains examples of practical application of the achievements of management science in the activities of domestic companies and companies operating in countries with a market economy.

The methodological guidelines provide the structure of the academic discipline and topics for in-depth study.

The purpose of teaching the discipline Modern Research Methods in Management: to familiarize PhD students with a multidimensional approach to conducting scientific research in the field of management. To provide students with knowledge about solving current management problems. The task of teaching the discipline: theoretical and practical training of PhD students on the issues of: organizational theories, management research methods, organizational process, analysis of the internal and external environment of organizations, the evolution of organizations, organizational effectiveness of research in management.

COURSE STRUCTURE

Table 1. Structure of the course

«Modern Research Methods in Management»

Topic	Lectures (hrs)	Practice/Seminars (hrs)	Independent Work (hrs)
Topic 1. Research of management systems	4	4	16
Topic 2. Methodology of scientific research in management	4	4	16
Topic 3. Planning and organization of research in management	4	4	16
Topic 4. Organization as a society. Formal–logical research methods	4	4	16
Topic 5. Evolution of management. Special research methods in management	4	4	16
Total: 4 credits (120 hours)	20	20	80

Tasks for independent work of a PhD student in the academic discipline
«Modern Research Methods in Management»

1. Critical analysis of research paradigms in management.
2. Epistemological problems of modern research methods in management (objectivity, verification, falsification).
3. Methodology for building theoretical models in management (assessment of the validity and adequacy of the theoretical model).
4. The importance of intellectual technologies in the development of research methodology in management.
5. Ethical aspects of modern research methods in management.
6. Justification of the choice of research methods depending on the type of problem.
7. Methodology for conducting experimental research in management (ensuring the validity and reliability of experimental data).
8. Methodology for conducting sociological research in management (surveys, interviews, focus groups).
9. Data analysis methodology in management research (statistical analysis, content analysis, qualitative analysis).
10. Case study methodology in management research.
11. Development of a research program to solve a specific problem in management.
12. Organization and conduct of management research (planning, data collection, data analysis, results presentation).
13. Interpretation of research results and formulation of practical recommendations.
14. Implementation of research results in management practice.

15. Preparation of a scientific publication based on the results of research in management.

16. What are the current challenges facing research methodology in management?

17. What are the limitations of modern research methods in management? (researcher subjectivity, limited sample, difficulty in formalizing many aspects of management, insufficient data, distortion of information, data confidentiality, avoidance of voluntary participation in the study, time and financial constraints, uniqueness of the situation, dynamism). Ways to overcome the limitations of research methods in management (combining methods, planning, data quality control, involving experts, self-criticism and reflection).

18. How to improve the quality and effectiveness of research in management?

19. What is the role of research in the development of modern management?

20. What are the prospects for the development of research in management in the future?

Topics for individual assignment – test (presentation)

from the academic discipline «Modern Research Methods in Management»

1. The influence of cognitive biases on managerial decision-making.
2. The role of emotional intelligence in leadership.
3. Theory of constraints in project management.
4. The influence of organizational culture on innovative activity.
5. Personnel motivation in the context of digital transformation.
6. Ethical dilemmas in modern management.
7. Knowledge management in organizations.
8. Leadership in remote work.
9. The influence of the information generation on modern management.
10. The importance of business social responsibility in increasing competitiveness.
11. Optimization of the personnel management system at the enterprise.
12. Development of a strategy for entering new markets for the company.
13. Increasing the efficiency of project management in an IT company.
14. Assessment of the effectiveness of implementing a CRM system in a company.
15. Managing organizational changes in the context of digital transformation.
16. Recommendations for increasing the competitiveness of an enterprise.
17. Developing a quality management system at an enterprise.
18. Optimization of logistics processes in a company.
19. Managing financial risks in conditions of economic instability.
20. Strategy for the development of small businesses in conditions of increased competition.

Exam questions for the academic discipline
«Modern Research Methods in Management»

1. Research on management systems.
2. Concept and stages of research.
3. Classification of research.
4. Research in management practice.
5. Management systems in organizations.
6. Elements of the management system.
7. Definition of the object of research in management.
8. Features of the business management system.
9. Research methodology.
10. Logical scheme of research.
11. Features of research methodology.
12. Problems of research in management.
13. Dialectical approach in research. The essence and principles of the dialectical approach.
14. Contradictions of management and ways to resolve them.
15. Features of the dialectical approach in the study of socio–economic systems.
16. Planning and organization of research in management.
17. Implementation and control of research results in management.
18. Classification of research methods in management.
19. Formal–logical research methods. Construction of definitions, argumentation, classification.
20. General scientific research methods.
21. Inductive and deductive research methods.
22. Problematics as a method of management research.
23. Methods: observation; description; experiment; intuitive; polemic;

modeling; imitation; extrapolation.

24. Methods of sociological research in management. Method of studying documents.

25. Business games in management.

26. Methods of testing and expert assessments.

27. Diversification research methods in management.

28. Synectics method.

29. Method of designing concepts.

30. Matchett method.

31. Evaluation of research results and diagnostics of situations

32. System approach in management.

33. Principles of research effectiveness and management potential.

34. Factology. System of indicators for management research.

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1. According to the State Statistics Service of Ukraine. Access mode:

<http://www.ukrstat.gov.ua>

1. <https://www.mckinsey.com/>
2. <https://www.cmc-ukraine.com/>
3. <https://www.management.com.ua/consulting/cons162.html>
4. <https://youtu.be/rb5m8a2TH9k?si=I4W7u3ZOp3qXVvAP>
5. <https://youtu.be/KPSLPK0tD5Y?si=eLLSUpj5iR6UZsIw>
6. https://www.isealalliance.org/sustainability-news/delivering-sustainability-assurance-through-effective-standards-and-accredited?gad_source=1&gclid=Cj0KCQjw9Km3BhDjARIsAGUb4nxEnLwUuMyYNZtzHI2ItK-43byTyYtIktbDObtpL6c5AZvItIXZPD8aApL3EALw_wcB
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Educational publication

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