

Ministry of Education and Science of Ukraine
V. N. Karazin Kharkiv National University

Department of International Economic Relations and Logistics

APPROVED

Director
Educational and Scientific Institute
“Karazin Institute of International
Relations and Travel Business”
Mikola B. SAREVSKYI



27 August 2026

COURSE UNIT WORKING PROGRAMME

SCIENTIFIC PROJECT MANAGEMENT

level of higher education: third (educational and scientific)

field of knowledge: C Social Sciences, Journalism, Information and International Relations

specialty: C1 Economics and International Economic Relations (by specialisations)

educational and scientific programme: International Economic Relations

specialisation: C1.02 International Economic Relations

type of discipline: compulsory

faculty: Educational and Scientific Institute “Karazin Institute of International Relations and Travel Business”

2026/2027 academic year

The programme was recommended for approval by the Academic Council of the Educational and Scientific Institute "Karazin Institute of International Relations and Travel Business"

27 August 2026, Minutes No. 1

PROGRAMME DEVELOPER: Olena V. Khanova,
Candidate of Geographical Sciences, Associate Professor, Associate Professor of
the Department of International Economic Relations and Logistics

The programme was approved at the meeting of the Department of International
Economic Relations and Logistics

Minutes No. 1 dated 26 August 2026

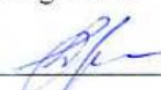
Head of the Department of International Economic Relations and Logistics



Anna ZAITSEVA

The programme was agreed with the guarantor of the Educational and Scientific
Programme "International Economic Relations"

Guarantor of the Educational and Scientific Programme



Olena DOVGAL

The programme was agreed by the Scientific and Methodological Commission of
the Educational and Scientific Institute "Karazin Institute of International Relations
and Travel Business"

Minutes No. 1 dated 27 August 2026

Chair of the Scientific and Methodological Commission of the Educational and
Scientific Institute "Karazin Institute of International Relations and Travel Business"



Hanna PANASENKO

INTRODUCTION

The programme of the academic discipline “Scientific Project Management” has been developed in accordance with the curriculum for the third (educational and scientific) level of higher education in field of knowledge C Social Sciences, Journalism, Information and International Relations, specialty C1 Economics and International Economic Relations (by specialisations), specialisation C1.02 International Economic Relations, leading to the qualification of Doctor of Philosophy in International Economic Relations.

1. Description of the Academic Discipline

1.1. Aim of the Academic Discipline

The aim of the course “Scientific Project Management” is to develop doctoral students’ competences in the effective management of research projects, including the planning, organisation and implementation of research and the presentation of research findings, in accordance with the principles of academic integrity and with the use of contemporary digital tools.

1.2. Main Objectives of the Academic Discipline

- to develop skills in planning and organising research projects, including defining research aims, objectives, stages and resource requirements.
- to develop proficiency in contemporary digital tools and technologies for research management, data processing and the management of scholarly information.
- to develop competences in academic integrity and research ethics, together with fundamental knowledge of intellectual property rights protection.
- to develop research and analytical skills, particularly in collecting, analysing, interpreting and visualising research findings.
- to prepare doctoral students to present and publish research findings in national and international academic journals and at scholarly forums.

1.3. Number of credits – 5.

1.4. Total number of hours – 150

1.5. Characteristics of the Academic Discipline
Compulsory
Full-time mode of study
Year of study
1st
Semester
1st
Lectures
24 hours
Practical and seminar classes
24 hours
Laboratory classes
0 hours
Independent study
102 hours
Individual assignments
0 hours

1.6. Competences Developed by the Academic Discipline:

IC. Ability to solve complex problems of professional and/or research and innovation activity in the field of international economic relations, apply the methodology of research and teaching, and conduct original research whose results demonstrate scientific novelty and theoretical and practical significance.

GC01. Ability to think abstractly, analyse and synthesise.

GC02. Ability to search for, process and analyse information from various sources.

GC05. Ability to communicate complex information clearly and accessibly, both orally and in writing, including in a foreign language, using appropriate academic style and terminology.

SC01. Ability to conduct original research and achieve scholarly results that generate new knowledge in the field of international economic relations and related interdisciplinary areas and are suitable for publication in leading academic journals.

SC03. Ability to integrate knowledge from different fields, apply a systems approach and take account of non-economic aspects when addressing complex problems in international economic relations and conducting research.

SC04. Ability to identify, formulate and address research problems in the field of international economic relations, and to evaluate and ensure the quality of research undertaken.

SC07. Ability to apply contemporary digital technologies, databases and other electronic resources, as well as specialised software, in research and educational activities in the field of international economic relations.

SC09. Ability to present research findings publicly and promote their dissemination in academic and professional contexts in both Ukrainian and foreign languages.

1.7. Intended Learning Outcomes Supported by the Academic Discipline:

LO01. Demonstrate advanced conceptual and methodological knowledge and research skills sufficient to conduct fundamental and applied research at the interface of disciplinary fields, taking account of current trends and the latest developments in global scholarship.

LO03. Apply contemporary tools and technologies for searching, processing and analysing information, including statistical methods for analysing large and/or complex datasets, specialised databases and information systems.

LO05. Design, implement and manage research projects that address complex problems in international economic relations and generate new integrated knowledge, taking account of social, economic, environmental and legal dimensions on the basis of a systemic scholarly outlook and broad cultural awareness, while observing professional ethics and academic integrity and ensuring the registration of intellectual property rights relating to project results.

LO06. Present and discuss research findings and theoretical and applied problems in international economic relations fluently with specialist and non-specialist audiences in the state language and foreign languages, and disseminate research findings through publications in leading academic journals.

LO08. Plan and conduct theoretical and applied research in international economic relations using contemporary research tools.

LO09. Demonstrate an in-depth understanding of the general principles and methods of economics and of research methodology; apply them in original research in international economic relations; and critically analyse one's own findings and those of other researchers within the broader body of contemporary knowledge relating to the research problem.

LO11. Apply contemporary modelling and forecasting methods using digital technologies and specialised software to provide scholarly justification for, and to test, research hypotheses.

1.8. Prerequisites:

None.

2. Course Content

Topic 1. Fundamentals of Research Project Management

Definition and core principles of research project management. Stages and life cycle of a research project. Relationship between project management and academic publication. Introduction to writing research articles and other scholarly publications.

Topic 2. Planning and Implementation of Research Projects

Formulation of research aims and objectives. Methods of organising research. Preparation of a research plan and resource management. Fundamentals of working with academic literature and information sources.

Topic 3. Contemporary Digital Tools for Research Management

Use of contemporary digital tools and technologies in project management. Software for research organisation and data analysis. Creation and management of research databases. Presentation of research findings: key tools and technologies.

Topic 4. Research Ethics and Intellectual Property Protection

Fundamentals of research ethics and academic integrity. Protection of intellectual property in research. Key ethical issues arising during the implementation of research projects. Procedures for registering intellectual property and protecting copyright.

Topic 5. Formulating Hypotheses and Selecting Research Methodology

Fundamentals of formulating research hypotheses. Selection of research methodology and methods. Use of empirical data in research. Justification of the choice of methods and their adaptation to the research topic.

Topic 6. Preparation and Publication of Research Findings

Fundamentals of preparing research articles and scholarly publications. Requirements for the structure of a research article and its components. Stages of preparing and submitting an article for publication. Presentation of research findings: structure, visualisation and public speaking.

3. Structure of the Academic Discipline

Sections and topics	Number of hours					
	full-time study					
	total	including				
		lect.	pract.	lab.	ind.	ind. study
1	2	3	4	5	6	7
Topic 1. Fundamentals of Research Project Management	25	4	4			17
Topic 2. Planning and Implementation of Research Projects	25	4	4			17
Topic 3. Contemporary Digital Tools for Research Management	25	4	4			17
Topic 4. Research Ethics and Intellectual Property Protection	25	4	4			17
Topic 5. Formulating Hypotheses and Selecting Research Methodology	25	4	4			17
Topic 6. Preparation and Publication of Research Findings	25	4	4			17
Total hours	150	24	24			102

4. Topics of Practical Classes

No.	Topic	Number of hours
1-2	Introduction to research project management: concepts, structure and life cycle	4
3-4	Planning and organising a research project: setting aims and objectives and managing resources	4
5-6	Use of contemporary digital tools for research management	4
7-8	Academic integrity and intellectual property protection in research	4
9-10	Formulating hypotheses and selecting research methodology	4
11-12	Preparing research articles and presenting research findings effectively	4
	Total	24

5. Independent Study Assignments

No.	Topics	Type and content of independent study	Number of hours
			full-time
1-4	Topic 1 Topic 2	Assignment 1. Design and presentation of a research study Using the topic of the doctoral thesis, develop the research concept (relevance, aim, objectives and expected results) and prepare a management plan for its implementation, specifying the project structure, key stages and milestones, resources, risks and monitoring arrangements.	34
5-8	Topic 3 Topic 4	Assignment 2. Review of academic sources. Conduct a systematic analysis of at least 50 academic sources (Scopus/NBUV/other databases) on the selected topic; identify the scientific novelty and formulate hypotheses; justify the methodology, methods of data collection and analysis, and the digital tools to be used.	34
9-12	Topic 5 Topic 6	Assignment 3. Academic dissemination of research findings Prepare and publish a scholarly output related to the doctoral thesis topic.	34
Total			102

6. Individual Assignments

Not provided for by the curriculum.

Individualisation of learning is ensured through practical assignments and independent study based on the research problem addressed in each doctoral student's thesis.

7. Teaching and Learning Methods

Teaching is based on a combination of problem-based, project-based, research-based, case-based and practice-oriented learning. The methods reflect the content of the discipline and the specific characteristics of third-cycle doctoral training, in which students engage with the course material through their own doctoral research.

Problem-based lectures incorporating discussion examine theoretical principles through the analysis of specific management and research problems: aligning the research aim, objectives, hypotheses and methods; planning the stages of a research project; identifying resources, risks and milestones; ensuring academic integrity; and preparing findings for publication and scholarly dissemination. Discussion of alternative solutions is intended to develop critical thinking and the ability to justify one's research position.

Project-based learning is implemented through the development by doctoral students of a research concept and a management plan for their own doctoral study. Students define the structure of the research project, the sequence of stages, expected

results, required resources, potential risks, monitoring arrangements and completion criteria for individual stages. The resulting project plan is discussed and revised in response to feedback.

Research-based learning is applied when searching for, systematising and critically analysing academic sources; identifying under-researched aspects of the research problem; formulating hypotheses; justifying the methodology; and selecting methods of data collection and analysis. Practical work involves the use of academic databases, reference-management systems, digital project-planning tools, data-processing software and tools for visualising results.

Case-based learning and the simulation of professional situations are used to analyse research risks, ethical conflicts, authorship and intellectual property issues, journal selection, the peer-review process, preparation of responses to reviewers and presentation of research findings at academic events. Case solutions must provide a reasoned choice of action and an assessment of its possible consequences.

8. Assessment Methods

The following assessment methods are used in the course:

- continuous assessment is conducted throughout the semester during practical classes and on the basis of independent study assignments. Forms of continuous assessment include oral questioning and academic discussion of course topics; review, presentation and defence of the student's doctoral research project; assessment of the analytical review of academic sources, formulated hypotheses and justified research methodology; and verification of research dissemination on the basis of a scholarly output that has been published or submitted for publication;
- final assessment takes the form of an examination covering the entire course.

9. Marking Scheme

Continuous assessment and independent study						Total	Exam	Total mark
T1	T2	T3	T4	T5	T6	60	40	100
20		20		20				

T1, T2, etc. – course topics.

Continuous assessment – **60 marks**, comprising:

Assignment 1. Design and presentation of a research study – 20 marks

Assignment 2. Review of academic sources – 20 marks

Assignment 3. Academic dissemination of research findings – 20 marks
(awarded according to the level of achievement):

- published research article – 20 marks
- article submitted to a journal, with confirmation of submission – 15 marks

- published abstract or conference paper at an international conference – 10 marks

Final assessment – 40 marks (40 test questions × 1 mark)

A student is admitted to the final semester assessment in the academic discipline provided that they have obtained at least 25 marks through continuous assessment.

Assessment Criteria

Assessment criteria for all assignments, including continuous and final assessment, are provided in the relevant sections of the online course for the academic discipline: <https://moodle.karazin.ua/course/view.php?id=1945>

Use of artificial intelligence technologies. The use of AI in this academic discipline is governed by the V. N. Karazin Kharkiv National University Policy on the Use of Artificial Intelligence and the University Code of Academic Integrity.

When preparing for seminar classes and completing practical assignments, students may use the “AI as an assistant” model to search for and systematise information, conduct preliminary source selection, clarify complex concepts, structure their work, generate ideas and edit language. AI-generated or AI-assisted materials are supplementary only. The final text, calculations, argumentation, analysis, interpretation of results, conclusions and decisions must be produced independently by the student. AI responses do not constitute academic sources, and the student is responsible for the accuracy of the information, references and results presented.

The use of AI is prohibited during oral questioning, pass/fail assessments and other assessment activities. The exception is for assignments specifically designated by the lecturer that require the “AI as a tool” model for data analysis, the creation of visualisations, comparison of outputs from different models or educational experiments. The conditions and permitted scope of use are communicated before the assignment begins.

Every written assignment must include a declaration concerning the use of AI. If no such technologies were used, the following statement must be included: “Artificial intelligence technologies were not used in the preparation of this work.” Otherwise, the student must state the name of the service or model, the date of use, the nature of the assistance received and the elements of the work developed with that assistance. At the lecturer’s request, the student must provide the prompts used, the responses received, intermediate materials, source data or calculation files.

To confirm that the work was completed independently and that the required practical skills have been acquired, the lecturer may conduct additional oral questioning or ask the student to explain the sequence of actions, reproduce a calculation, process data, create a visualisation or demonstrate the use of the relevant

digital tool. The results of this verification are taken into account in assessment. Data from automated AI-detection tools are used only as supplementary information.

Properly declared use of AI within the permitted limits does not affect the mark. Undeclared or prohibited use of AI, submission of generated material as the student's own work, or inability to demonstrate independent completion of the main part of an assignment constitutes grounds for awarding 0 marks and requiring the assignment to be completed again. Decisions are made on the basis of the full set of verification materials, in accordance with the assessment criteria and the University's internal regulations.

Grading Scale

Total marks for all learning activities during the semester	Grade on the four-level grading scale
90 – 100	excellent
70 – 89	good
50 – 69	satisfactory
0 – 49	unsatisfactory

Recognition of Non-formal Education

Students may receive additional marks for learning outcomes acquired through non-formal education, provided that these outcomes are substantively aligned with the content of the academic discipline and its intended learning outcomes. Eligible activities may include online courses offered through leading educational platforms such as Coursera and Prometheus, certified training courses and seminars, professional education programmes, and educational activities organised by higher education institutions, international organisations, professional associations and other recognised bodies.

To request recognition of non-formal learning outcomes, a student must provide documentary evidence of successful completion of the relevant course, training activity, programme or other educational activity. Students are advised to agree the choice of activity with the lecturer in advance in order to determine its alignment with the content of the academic discipline, the scope of material covered and the learning outcomes specified in this working programme.

Each application for recognition of non-formal education outcomes is considered individually. Recognition is carried out in accordance with the Procedure for the Recognition of Learning Outcomes Acquired through Non-formal Education at V. N. Karazin Kharkiv National University. The decision on recognition is made by the Scientific and Methodological Commission of the Educational and Scientific Institute "Karazin Institute of International Relations and Travel Business" on the basis of the documentation submitted by the student.

The number of marks that may be awarded for non-formal education is determined with regard to the content, scope and level of the learning outcomes achieved. Regardless of the number of additional educational activities completed,

the total mark for continuous assessment, including marks awarded for recognised non-formal learning outcomes, may not exceed 60 marks.

11. Recommended Reading

Core Reading:

1. Khanova O. V. Online course “Research Project Management”. URL: <https://moodle.karazin.ua/course/view.php?id=1945>
2. Sazonets I. L., Kovshun N. E. Research Project Management: study guide. Kyiv: Centre for Educational Literature, 2021. 208 p. URL: <https://dgu.com.ua/handle/123456789/253> (accessed 17 August 2026).
3. Research Project Management: study guide / O. O. Kulinich, O. S. Chepik-Trehubenko, S. M. Tsyhulskyi, D. O. Lavrenko, Yu. V. Lebedieva, V. V. Chernobuk. Dnipro: Dnipro State University of Internal Affairs, 2024. 124 p. ISBN 978-617-560-067-2. URL: <https://er.dduvs.edu.ua/handle/123456789/15921> (accessed 17 August 2026).
1. Bhattacharjee A., Sytnyk N. Methodology and Organisation of Research: Research in the Social and Economic Sciences: study guide. 2nd rev. and expanded ed. Kyiv: Igor Sikorsky Kyiv Polytechnic Institute, 2022. 173 p. URL: <https://ela.kpi.ua/items/158b8243-a136-4460-a88a-f8fbc05bf81e> (accessed 17 August 2026).
2. Project Management Institute. A Guide to the Project Management Body of Knowledge (PMBOK® Guide) — Eighth Edition and The Standard for Project Management. Newtown Square, PA: Project Management Institute, 2025. 408 p. URL: <https://www.pmi.org/standards/pmbok> (accessed 17 August 2026).
4. Heagney J. Fundamentals of Project Management. 6th ed. Nashville, TN: HarperCollins Leadership, 2022. 288 p. ISBN 978-1-4002-3526-1. URL: <https://www.harpercollinsleadership.com/9781400235261/fundamentals-of-project-management-sixth-edition/> (accessed 17 August 2026).
5. Creswell J. W., Creswell J. D. Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. 6th ed. Thousand Oaks, CA: SAGE Publications, 2023. 320 p. ISBN 978-1-0718-1794-0. URL: <https://collegepublishing.sagepub.com/products/research-design-6-270550> (accessed 17 August 2026).
6. Gastel B., Day R. A. How to Write and Publish a Scientific Paper. 9th ed. Santa Barbara, CA: Greenwood, 2022. 376 p. ISBN 978-1-4408-7882-4. URL: <https://www.bloomsbury.com/us/how-to-write-and-publish-a-scientific-paper-9781440878824/> (accessed 17 August 2026).
7. Swales J. M., Feak C. B. Academic Writing for Graduate Students: Essential Tasks and Skills. 3rd ed. Ann Arbor, MI: University of Michigan Press, 2012. 432 p. ISBN 978-0-472-03475-8. URL: <https://press.umich.edu/Books/A/Academic-Writing-for-Graduate-Students-3rd-Edition> (accessed 17 August 2026).

Supplementary Reading:

1. Lock D. Project Management. 10th ed. London: Routledge, 2013. 572 p. ISBN 978-1-4094-5269-0. DOI: <https://doi.org/10.4324/9781315245911> (accessed 17 August 2026).
2. Verzuh E. The Fast Forward MBA in Project Management: The Comprehensive, Easy-to-Read Handbook for Beginners and Pros. 6th ed. Hoboken, NJ: Wiley, 2021. 544 p. ISBN 978-1-119-70076-0. URL: <https://www.wiley.com/en-us/The%2BFast%2BForward%2BMBA%2Bin%2BProject%2BManagement%3A%2BThe%2BComprehensive%2C%2BEasy-to-Read%2BHandbook%2Bfor%2BBeginners%2Band%2BPros%2C%2B6th%2BEdition-p-9781119700760> (accessed 17 August 2026).
3. Dinsmore P. C., Cabanis-Brewin J., eds. The AMA Handbook of Project Management. 5th ed. New York: AMACOM, 2018. 610 p. ISBN 978-0-8144-3866-4. URL: <https://www.vitalsource.com/products/the-ama-handbook-of-project-management-paul-c-dinsmore-jeannette-v9780814438671> (accessed 17 August 2026).
4. Clark T., Foster L., Sloan L., Brookfield C., Bryman A. Bryman's Social Research Methods. 7th ed. Oxford: Oxford University Press, 2026. 736 p. ISBN 978-0-19-889598-5. URL: <https://global.oup.com/ukhe/product/brymans-social-research-methods-9780198895985> (accessed 17 August 2026).
5. Danylian O. H., Dzoban O. P. Research Methodology: textbook. 2nd rev. and expanded ed. Kharkiv: Pravo, 2023. 488 p. ISBN 978-966-937-485-2. URL: <https://pravo-izdat.com.ua/novinki/metodologiya-naukovih-doslidzhen-2-ge-vidannya> (accessed 17 August 2026).
6. Kovtun N. M. Research Methodology: teaching and methodological guide for Master's students in specialty 033 Philosophy. 2nd expanded and revised ed. Zhytomyr: Zhytomyr Ivan Franko State University, 2024. 130 p. URL: <https://eprints.zu.edu.ua/39719/> (accessed 17 August 2026).
7. Birta H. O., Burhu Yu. H. Methodology and Organisation of Research: study guide. Kyiv: Centre for Educational Literature, 2014. 142 p. URL: https://ecatalog.lvet.edu.ua/cgi-bin/irbis64r_15/cgiirbis_64.exe?C21COM=2&I21DBN=LIBRARY1&IMAGE_FILE_DOWNLOAD=1&Image_file_name=text%2F%D0%B1%D1%96%D1%80%D1%82%D0%B0.pdf&LNG=uk&P21DBN=LIBRARY1&Z21ID= (accessed 17 August 2026).

11. Online Information Resources, Video Lectures and Other Teaching Materials

1. On Higher Education: Law of Ukraine No. 1556-VII dated 1 July 2014. URL: <https://zakon.rada.gov.ua/laws/show/1556-18> (accessed 17 August 2026).
2. On Approval of the Requirements for Thesis Formatting: Order of the Ministry of Education and Science of Ukraine No. 40 dated 12 January 2017. URL: <https://zakon.rada.gov.ua/laws/show/z0155-17> (accessed 17 August 2026).
3. DSTU 8302:2015. Information and Documentation. Bibliographic Reference. General Principles and Rules of Compilation. Kyiv: SE "UkrNDNC", 2016. URL: https://online.budstandart.com/ua/catalog/doc-page.html?id_doc=64411 (accessed 17 August 2026).
4. Scopus: bibliographic and abstract database. Elsevier. URL: <https://www.scopus.com> (accessed 17 August 2026).
5. Web of Science: scientometric database. Clarivate. URL: <https://www.webofscience.com> (accessed 17 August 2026).
6. V. I. Vernadskyi National Library of Ukraine: official website. URL: <https://www.nbuv.gov.ua> (accessed 17 August 2026).
7. Google Scholar: scholarly information search engine. URL: <https://scholar.google.com> (accessed 17 August 2026).
8. ORCID: international registry of researcher identifiers. URL: <https://orcid.org> (accessed 17 August 2026).
9. Elsevier Researcher Academy: educational platform for researchers. URL: <https://researcheracademy.elsevier.com> (accessed 17 August 2026).
10. Purdue Online Writing Lab (Purdue OWL): educational resource on academic writing. URL: <https://owl.purdue.edu> (accessed 17 August 2026).
11. Writing a Research Paper: 2nd Edition: online course on preparing a research publication. Nature Masterclasses. URL: <https://www.nature.com/masterclasses/writing-research-paper/52046480> (accessed 17 August 2026).
12. Understanding Research Methods: online course / University of London, SOAS University of London. Coursera. URL: <https://www.coursera.org/learn/research-methods> (accessed 17 August 2026).
13. Researcher Management and Leadership Training: online course / University of Colorado System. Coursera. URL: <https://www.coursera.org/learn/researcher-management-leadership-training> (accessed 17 August 2026).
14. Ethics: course on research publication ethics. Elsevier Researcher Academy. URL: <https://researcheracademy.elsevier.com/publication-process/ethics> (accessed 17 August 2026).