

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
Lesya Ukrainka Volyn National University
Faculty of International Relations
Department of International Economic Relations

SYLLABUS
of selective educational component
«METHODOLOGY OF SCIENTIFIC RESEARCH»
for bachelor study program

Syllabus of the educational component “Methodology of Scientific Research” for preparation of bachelors.

Developer: Boiar Andrii Oleksiyovych, Head of the Department of International Economic Relations, Doctor of Economics, Professor.

Pogodzheno

Guarantor of the educational and professional program:



(signature) (A. O. Boiar)

The syllabus of the educational component was approved at a meeting of the Department of International Economic Relations, Protocol No. 6 of February 10, 2026.

Head of the Department:



(Boiar A.O.)

I. Description of the educational component

Name of indicators	Field of knowledge, specialty, educational and professional program (EPP), level of higher education	Characteristics of the educational component
Full-time form of education	Field of knowledge C "Social Sciences, Journalism, Information and International Relations", specialty C1 "Economics and International Economic Relations (by specializations)", specialization "International Economic Relations", EPP "International Activity of Companies and Institutions", the first (bachelor's) level of higher education	Selective
		Year of study – 2
Number of hours/credits 150/5		Semester 4
		Lectures – 10 hours.
		Practical (seminar) – 20 hours.
INDT: yes		Independent work – 110 hours.
	Consultations – 10 hours.	
	Form of control: pass or fail	
Language of instruction		Ukrainian or English (choice is made during registration for optional classes)

II. Information about the teacher

Name: Boiar Andrii Oleksiyovych

Scientific degree: Doctor of Economics

Academic title: Professor

Position: Head of the Department, Professor of the Department of International Economic Relations

Contact information: 0662857460, Andrij.Boyar@vnu.edu.ua.

Class days: <http://surl.li/shvned>

III. Description of the educational component

1. Course abstract.

The study of the discipline "Methodology of Scientific Research" provides for the acquisition of competencies in the organization of scientific research in Ukraine, the structure, stages and methods of scientific research, requirements for the quality and design of various types of research works, the prevention of deviant behavior from the standpoint of academic integrity in the implementation of scientific work.

2. The purpose and objectives of the educational component.

The purpose and objectives of the course are to form students' understanding of the place of science and its applied importance in the life of society, the role of information and promotional support and compliance with the norms of academic integrity in the work of a scientist; the ability to apply the acquired knowledge in practice, in particular, to use the learned general and special research methods

when writing their term papers and bachelor's theses, conference abstracts, scientific articles. Students should objectively to assess personal capabilities and preferences for professional scientific activity in the chosen specialty in the future.

3. Soft skills:

- Ability to conduct research at the appropriate level.
- Ability to learn and be modernly trained.
- Ability to search, process and analyze information from various sources.
- Ability to abstract thinking, analysis and synthesis.
- Ability to be critical and self-critical.
- Ability to conduct research of economic phenomena and processes in the international sphere, taking into account cause-and-effect and spatio-temporal relationships.

4. Structure of the educational component.

Names of content modules and topics	Total	Lect.	Sem.	Self-study	Cons.	Form of control/ Points
Content module 1. System of scientific research						
Topic 1. Science as a productive force	13	1	2	10	1	DS/4
Topic 2. Content and structure of the research process	13	1	2	10	1	DS/4
Topic 3. Fundamentals of scientific methodology	13	1	2	10	1	DS/4
Topic 4. Organization of scientific research in Ukraine and the world	13	1	2	10	1	DS/4
Total for content module 1	52	4	8	40	4	16
Content module 2. Practical aspects of scientific work						
Topic 5. Organization of scientific research by a bachelor's student	13	1	2	10	1	DS/4
Topic 6. Special economic and mathematical research methods	17	1	2	12	1	DS/4
Topic 7. Search and selection of information for scientific research	17	1	2	12	1	DS/4
Topic 8. Fundamentals of scientific ethics and academic integrity	17	1	2	12	1	DS/4
Topic 9. Scientific product promotion and scientific image management	17	1	2	12	1	DS/4
Topic 10. Features of scientific project management	17	1	2	12	1	DS/4
Total for content module 2	98	6	12	70	10	24
Types of final works						
Control paper (test)						T/45
INDT (description of the methodology of your course work – writing a paragraph on the methodology)						INDT/15
Total Hours/Points	150	10	20	110	10	100

* Form of control: DS - discussion, T - tests, INDT - individual research task.

5. Tasks for self-study.

1	Preparation for the discussion (seminar) and test on the topic "Science as a productive force"
2	Preparation for the discussion and test on the topic "Content and structure of the research process"
3	Preparation for the discussion and test on the topic "Fundamentals of scientific methodology"
4	Preparation for the discussion and test on the topic "Organization of scientific research in Ukraine and the world"
5	Preparation for the discussion and test on the topic "Organization of scientific research by a bachelor's student"
6	Preparation for the discussion and test on the topic "Special economic and mathematical research methods"
7	Preparation for the discussion and test on the topic "Search and selection of information for scientific research"
8	Preparation for the discussion and test on the topic "Fundamentals of Scientific Ethics and Academic Integrity"
9	Preparation for the discussion and test on the topic "Promotion of a scientific product and management of a scientific image"
10	Preparation for the discussion and test on the topic "Features of Scientific Project Management"
11	Individual research task (INDT) – a description of the methodology of your course work or writing a methodological paragraph of the coursework, if such is provided for by the content of the work agreed with the supervisor (3-5 pages)

IV. Grading Policy

The assessment is carried out in accordance with the University Regulations on the Current and Final Assessment of Students' Knowledge (<https://surl.li/iwdrbd>). Mandatory compliance with the norms of the Code of Academic Integrity of the University (<http://surl.li/aagxg>) in the learning process. The maximum number of absences allowed without a valid reason is 2. It is possible to enroll the results of formal or non-formal education as separate topics or content modules of the course in accordance with Regulations of the VNU dated 29.08.2024 (<http://surl.li/sbwzdh>).

The maximum number of points for studying the course is 100, including:

- up to 40 points for participation in discussions (seminars) (Module 1);
- up to 15 points per INDT (Module 2);
- up to 45 points for a rapid test (electronic testing) (Module 3).

The required minimum for successful completion of the course is 60 points.

Module 1 – participation in discussions (max = 40 points)										Module 2	Module 3	Max. course points
Topic 1	Topic 2	Topic 3	Topic 4	Topic 5	Topic 6	Topic 7	Topic 8	Topic 9	Topic 10	INDZ	Express test	
Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8	Sem 9	Sem 10			
4	4	4	4	4	4	4	4	4	4	15	45	100

The student's work at one seminar can be evaluated at a maximum of 4 points, of which 0.5 points are for attending the pair, the rest are for participating in the discussion of issues related to the topic of the seminar. The student can additionally compose in consultation with the teacher or write by hand those topics that he missed during the semester for good reasons. Thus, you can improve your result by

exactly the amount of points that were allocated for the missed topics. Assessment is carried out subjectively by the teacher.

Express tests are conducted in electronic form on the MS Forms platform. The first test is after the fifth seminar lesson, the second – after the last (tenth seminar). On each of the tests, the student receives 30 questions (tasks), the correct answer to each of which is estimated at 1 point. The maximum possible number of points received for each of the tests (for all correct answers) is 30. In total for both – 60 points.

The overall grade for the course is calculated as the sum of points for both modules. The grade is given according to the grading scale (table).

At the request of the student and if there is an extra space for it, up to 15 bonus points can be added to the total number of points the student has earned during the course. These bonus points are given to the student by the IRF dean's office for active participation in extracurricular work (educational, scientific, self-governmental, volunteer, etc.). The availability of such points is confirmed by a certificate issued by the dean's office.

V. Final control

The form of final control is a pass or fail credit. The pass credit is assigned to the applicant automatically if he/she has completed all types of works provided for by the syllabus of the educational component and received 60 or more points. In the case when a student scored less than 60 points, he/she takes a pass/fail test during the liquidation of academic debt. In this case, the points scored during the semester assessment are canceled. The maximum number of points a student can get during the liquidation of academic debt is 100. Retaking the pass/fail test is allowed no more than twice for each educational component: once – to the teacher, the second time – to the commission created by the dean of the faculty (see the Regulations on the current and final assessment of the knowledge of students at Lesya Ukrainka Volyn National University – <http://surl.li/ddfha>).

For students of the EPP of the specialties "Medicine", "Dentistry", "Pharmacy", "Therapy and Rehabilitation", the transfer of points to a 200-point scale is carried out by multiplying the points of the 100-point scale by 2.

Grading scale

Grade in points	Linguistic Grade
90–100	Pass
82–89	
75–81	
67–74	
60–66	
0–59	Fail (retake required)

Scale of assessment of knowledge of students in the specialties "Medicine", "Dentistry", "Pharmacy", "Therapy and Rehabilitation"

Grade in points	Linguistic Grade
170–200	Pass
150–169	
140–149	
130–139	
120–129	
0–119	Fail (retake required)

VI. Recommended Reading and Internet Resources

1. Kothari, C. R. (2004). Research Methodology: Methods and Techniques, New Age / <http://www.modares.ac.ir/uploads/Agr.Oth.Lib.17.pdf>
2. Kumar, Ranjit (2011). Research methodology: a step-by-step guide for beginners, SAGE Publications Ltd / http://www.sociology.kpi.ua/wp-content/uploads/2014/06/Ranjit_Kumar-Research_Methodology_A_Step-by-Step_G.pdf
3. Walliman, Nicholas (2011). Research Methods: the Basics, Routledge / https://edisciplinas.usp.br/pluginfile.php/2317618/mod_resource/content/1/BLOCO%202_Research%20Methods%20The%20Basics.pdf
4. Голіков А. П. Економіко-математичне моделювання світогосподарських процесів: навч. посібник. 3-тє вид. К.: Знання, 2009. 222 с. URL: <http://surl.li/gqsuv>
5. Кодекс академічної доброчесності ВНУ імені Лесі Українки. URL: <http://surl.li/bhncy>
6. Конверський, А. Є., Лубський, В. І., Горбаченко, Т. Г. та ін. (2010). Основи методології та організації наукових досліджень: навчальний посібник, К.: Центр учбової літератури / http://www.immsp.kiev.ua/postgraduate/Biblioteka_trudy/Konversky_osn_metod_ta_org_nayk_dosl.2010.pdf
7. Методологія наукових досліджень : підручник / О. Г. Данильян, О. П. Дзьобань. Харків: Право, 2019. 368 с. URL: https://library.nlu.edu.ua/POLN_TEXT/SENMK/OMND.pdf
8. Методологія та організація наукових досліджень: навч.-метод. видання. / О.В.Галян. Луцьк : Вежа-Друк, 2021. 26 с. URL: <http://surl.li/kzfpс>
9. <https://www.researchgate.net> – соціальна мережа для науковців.
10. <https://scholar.google.com/> – база даних вчених і їх праць.
11. <https://www.scimagojr.com/> – база даних видань Scopus.
12. <http://mjl.clarivate.com/> – база даних журналів Web of Science.
13. <https://orcid.org/> – база даних вчених світу