

**TARAS SHEVCHENKO KYIV NATIONAL UNIVERSITY
GEOGRAPHIC DEPARTMENT**

Chair of Physic Geography and Geoecology



WORK PROGRAM OF THE ACADEMIC DISCIPLINE

**GRANT WRITING AND MANAGEMENT OF INTERNATIONAL
ENVIRONMENTAL PROJECTS**

Scope of knowledge C Social Sciences, Journalism, Information and International Relations

Specialty C6 Geography and Regional Studies

Educational degree Master

Educational program Transboundary environmental cooperation

Discipline kind Mandatory

Form of education	full-time
Academic year	2025/2026
Semester	1
Number of ECTS credit	4
Language of tuition, study and evaluation	English
Form of final testing	test

Lecturer:

Ivanok D.V., *Candidate of Sciences in Geography, Assistant at the Chair of Physic
Geography and Geoecology*

Prolonged: to 20__/20__ A.y. _____ (_____) «__» 20__ p.
(Signature, Surname)

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(Signature, Surname)

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APPROVED

«26» August 2025

Chief of the Chair of Physic Geography and Geoecology

 As. Prof. Bilous L.F.

Protocol No 1 dated «26» August 2025

Approved by geographic faculty academic-methodological commission

Protocol No 7 dated «28» August 2025

Chief of the academic-methodological commission  As. Prof. Korohoda N.P.

«27» August 2025

INTRODUCTION / BCTYII

1. The goal of the academic discipline is to form in higher education applicants ability to solve complex tasks and make appropriate analytical and management decisions in the scope of geography and regional studies, in particular transboundary cooperation in sustainable nature management and conservation, based on the application of methodological foundations and technologies of grant writing and management of international environmental projects (management of IEP or MIEP) and the use of methodologic-applied experience, primarily in managing projects and programs of the United Nations Environment Program (UNEP).

2. Advance claims to mastering or selection of the academic discipline

1. To know key principles of sociology, psychology, pedagogy and profile common-geographic academic disciplines.
2. To be able to apply the approaches of geographic modeling, geographic information systems and technologies, information networks and environmental management.
3. To possess the expertise in international environmental conventions and treaties, conflictology and environmental conflicts and international environmental law.

3. Annotation of the academic discipline: The discipline deals with methodology and practical approaches for grant writing and management of international environmental projects; content of UNEP project cycle; key elements in UNEP project formulation; content of concept proposals for sponsorship of UNEP projects; ways of UNEP project document preparation and procedures of UNEP project approval process.

4. The tasks of the discipline are to ensure the acquisition by higher education applicants of knowledge, skills and expertise for the formation of *abilities*:

- to learn and master modern knowledge (GC01);
- to identify, pose and solve problems (GC02);
- to make informed decisions (GC03);
- to work in a team (GC04);
- to communicate in a foreign language [English and/or other languages of the European Union] (GC05);
- to conduct research at an appropriate level (GCO6);
- to work in an international context (GC07);
- to search, process and analyze information from various sources (GC08)
- to communicate with representatives of other professional groups of different levels (with experts from other fields of knowledge/types of economic activity (GC09);
- to value and respect diversity and multiculturalism (GC10);
- to act on the basis of ethical considerations (motives) (GC11);
- to use geographical and related theories and concepts of human-environment interaction, spatial (territorial) organization of society, sustainable regional and urban development,

balanced nature management, landscape diversity, spatial planning, taking into account socio-economic and natural patterns of formation and development of regions for the study and interpretation of spatial processes and phenomena. (SC01);

- to use methods of geographical research, analysis and modeling using GIS technologies, spatial analytics and geographic forecasting to solve specific scientifically applied problems of regional and urban development, nature use, spatial planning (SC05);
- to identify, analyze and explain spatial relationships, trends in the development of spatial processes and phenomena, spatial transformations (SC06);
- to carry out; professional assessment of spatial planning documents for various levels (including strategies, territorial development plans), globalization, regionalization and urbanization processes in the world, conduct their professional examination, assess possible risks and threats (SC07);
- to plan, organize and implement scientific research (including interdisciplinary) projects in the field of geography, regional studies, transboundary cooperation on sustainable nature use and protection and related areas (SC09);
- to prepare reporting and analytical documents (analytical notes, expert opinions, research reports, etc.) and publicly present the results of scientific research, ensure a clear communication of one's own ideas, conclusions and arguments to specialists and non-specialists (SC10).

5. Results of academic discipline study:

The result of study (1. To know; 2. To be able to; 3. Communication; 4. Autonomy and responsibility)		Forms (and/or methods and technologies) of tuition and study	Evaluation methods and threshold evaluation criterion (if necessary)	Percent in final grade on discipline
Code	The result of study			
1.1	Content of UNEP project cycle given application of acquired theoretical knowledge and practical expertise for geographical and related theories and concepts for transboundary environmental cooperation	<i>lection, practical training, analytic assignment</i>	<i>Test, implementation of creative analytic assignments, test</i>	10%
1.2	Key elements in UNEP project formulation	<i>lection, practical training, analytic assignment</i>		10%
1.3	Content of grant writing as concept proposals for sponsorship of UNEP projects using the principles of optimal planning for territories of different hierarchical level, including transboundary	<i>lection, practical training, analytic assignment</i>		10%

1.4.	Approaches to UNEP project document preparation	<i>lection, practical training, analytic assignment</i>		10%
1.5.	Procedures of UNEP project approval process	<i>lection, practical training, analytic assignment</i>		10%
2.1	Organize UNEP project monitoring and reporting	<i>practical training, analytic assignment</i>	<i>Test, implementation of creative analytic assignments, test</i>	30%
2.2	Provide UNEP project evaluation	<i>practical training, analytic assignment</i>		
2.3	Identify, pose and solve scientific and applied problems, to carry out a critical assessment of the decisions made, in particular, in terms of the transboundary level of nature protection	<i>practical training, analytic assignment</i>		
2.4	Conduct scientific research and innovative activities in order to obtain new knowledge, develop new methods and procedures in geography and in interdisciplinary and transboundary contexts of sustainable development.	<i>practical training, analytic assignment</i>		
2.5.	Use experience on management of the international environmental projects and programs	<i>practical training, analytic assignment</i>		
3.1.	Ability for team-work and interpersonal communication during implementation of creative analytic assignments concerning project management tasks and compromise solutions search	<i>practical training</i>	<i>Implementation of creative analytic assignments, discussion</i>	10%
4.1	Ability to independently and responsibly solve problems concerning environmental project management tasks	<i>presentation</i>	<i>test</i>	10%

6. Relation of results of discipline study with program results of study

Results of discipline study (code) Program results of study (title)	1.1	1.2	1.3	1.4	1.5	2.1	2.2	2.3	2.4	2.5	3.1	4.1
1. To apply acquired theoretical knowledge and practical expertise for geographical and related theories and concepts for transboundary environmental cooperation. In particular, theories and concepts: interaction between humans and the	+	+	+	+	+					+	+	+

environment; spatial organization of nature and society; anthropization and landscape adaptation for sustainable development, balanced nature management, preservation of biodiversity and nature protection, spatial planning (PRS01)												
2. To assess the results of one's own work, to demonstrate progress in professional, scientific, educational competencies, and the ability to work in a team, including on issues of sustainable environmental management and transboundary environmental cooperation. (PRS02)	+	+	+	+	+	+	+	+	+	+	+	+
3. To communicate freely on professional and scientific issues in a foreign language [in English and/or other languages of the European Union] (PRS03)	+	+	+	+	+	+	+	+	+	+	+	+
4. To conduct scientific research, carry out innovative activities in order to obtain new knowledge, develop new methods and procedures in geography and in interdisciplinary and transboundary contexts of sustainable development. To critically evaluate results in the field of spatial research (PRS04)	+	+	+	+	+	+	+	+	+	+		
5. To be able to analyze and synthesize data and information, have skills in searching for data and information (including from open sources), and have knowledge of the subject of geospatial data infrastructure (geodata, metadata, standards, geoinformation technologies, services, international initiatives) (PRS05)	+	+	+	+				+	+	+	+	+
6. To formulate a methodology for scientific research, apply modern methods and models of problem-oriented research, to use information technologies, conduct field and laboratory research in the scope of geography, spatial planning, nature management, nature protection, ecosystem services, environment restoration, nature-based solutions (PRS06)			+		+			+	+	+		
7. To know the basics of: environmental policy, regulatory framework for nature protection and management (national, transboundary, international context); development of a system of state planning documents, SEA and EIA; standards and	+	+	+	+				+	+	+	+	+

criteria for environmental quality, landscape planning and landscape architectural activities; environmental monitoring; marketing of ecosystem services (PRS07)												
8. To conduct research on geographical processes and phenomena, spatial transformations in complex and unpredictable conditions, to predict their development, to analyze alternatives, to assess risks and likely consequences, to predict the potential of ecosystem services, model and propose nature-oriented solutions (PRS08)	+	+	+	+	+	+	+	+	+	+		
9. To formulate scientific hypotheses, to identify relevant aspects in fundamental and applied research areas. To plan, implement and manage research (including interdisciplinary, cross-border, international) projects, to prepare research proposals, to submit applications for research funding, to analyze and evaluate the results of research activities, to present and disseminate their own research results among the scientific community (PRS08)			+		+			+	+	+		

7. Scheme of grade formation:

The level of achievement of all planned results of study is determined by the results of oral answers and writing control tests.

The share of study results in the final grade, provided that it is mastered at the appropriate level is as follows:

- results of study – **1.1 – 1.5 (knowledge)** – up to 10% for each;
- results of study – **2 (skills)** – up to 30%;
- results of study – **3 (communication)** – up to 10%;
- results of study – **4 (autonomy and responsibility)** – up to 10%

7.1. Forms of students' evaluation:

The discipline consists of two content modules. Studies are conducted as lectures and practical trainings. During semester, after proper themes completing, *two modular tests* are carried out.

Evaluation by forms of testing:

	First content module		Second content module	
	<i>Min. – 15 points</i>	<i>Max. – 30 points</i>	<i>Min. – 15 points</i>	<i>Max. – 30 points</i>
Verbal answer at seminar	„2” x 2 = 4	„3” x 3 = 9	„2” x 2 = 4	„3” x 3 = 9
Additional answer at seminar	„1,5” x 2 = 3	„2” x 6 = 6	„1,5” x 2 = 3	„2” x 6 = 6
Modular test No 1	„8” x 1 = 8	„15” x 1 = 15		
Modular test No 2			„8” x 1 = 8	„15” x 1 = 15
„3” – minimal/maximal point which can be get by student. 1 – minimal/maximal test quantity of answers or tasks				

Results of students' academic study are evaluated by 100-point scale. Students who got point quantity, which is lesser than *critical-calculating minimum (30 points)*, have to pass modular test for the second time in order to allow them to take the final test. Maximal final test grade is **40 points**.

	First content module	Second content module	Final test	Final grade
<i>Minimum</i>	15	15	30	60
Maximum	30	30	40	100

In general, the formation of the evaluation is based on the "Regulations on the organization of the educational process at the Taras Shevchenko National University of Kyiv", enacted by Order № 170-32 of April 11, 2022.

7.2. Organizing of evaluation:

Evaluation is carried out during semester for all kinds of students' studies including their self-ruling studies.

Grades-points' correspondence scale

<i>100-point scale</i>	<i>Grade of the national scale</i>
60-100	<i>Passed</i>
1-59	<i>No passed</i>

**STRUCTURE OF THE ACADEMIC DISCIPLINE
SUBJECT PLAN OF LECTURES AND PRACTICAL TRAININGS**

No of topic	Topic name	Number of hours		
		lectu- res	practical trainings	self- ruling studies
Content module 1 Conceptual foundations for grant writing and management of international environmental projects				
1	Topic 1. Introduction to the discipline	2	2	12
2	Topic 2. UNEP project cycle	2	2	12
3	Topic 3. Key elements in UNEP project identification and formulation	2	2	12
4	Topic 4. Concept proposals for sponsorship of UNEP projects	2	2	12
Modular test No 1				4
Content module 2 Methodically-applied aspects for grant writing and management of international environmental projects				
5	Topic 5. UNEP project document preparation	2	2	12
6	Topic 6. UNEP project approval process	2	2	12
7	Topic 7. UNEP project monitoring, reporting and evaluation	2	2	12
Modular test No 2 and final test				4
	TOTAL	14	14	92

Total amount – **120 hours**, including:
lectures – **14** hours,
seminars – **14** hours,
self-ruling studies – **92** hours.

РЕКОМЕНДОВАНА ЛІТЕРАТУРА / RECOMMENDED SOURCES

Basic sources / Основна:

1. *Samoilenko V.M., Dibrova I.O.* Training-methodical complex on the academic discipline 'Management of Projects and Programs in the Scope of Natural Geography' (electronic version). – Kyiv: LLC 'DIA', 2021. 39 c. ISBN 978-617-7785-27-8.
https://drive.google.com/file/d/12k_ce3a8i-PZsPKrwsInTk1JfAW9gRi/view
2. *Samoilenko V., Bilous L.* (2024). Designing geoinformation systems: textbook (electronic version, in English and Ukrainian). Kyiv: Nika-Tsentr. 254 p.
https://www.researchgate.net/publication/379077120_Designing_geoinformation_systems_textbook_electronic_version_in_English_and_Ukrainian_Kyiv_Nika-Tsentr_2024_254_p

3. *UNEP project manual: formulation, approval, monitoring and evaluation.* – UNEP, 2013. – 126 p.
4. *Samoilenko V.M.* The academic discipline 'Management of Projects and Programs in the Scope of Natural Geography'. *Online education platform of Taras Shevchenko National University of Kyiv. Geographic department.* 2020. Available at: <https://geo.univ.org.ua>
5. *Samoilenko V.M. et al.* Information management of international Dnipro basin environmental rehabilitation: Monograph. Kyiv: *Nika-Center*, 2004. 152 p.
6. *Nozdrina L. et al.* Project management: Textbook. Kyiv: *Center for Educational Literature*, 2010. 224 p.

Additional sources / Додаткова:

7. *Project management manual. GEF IW:LEARN*, 2020. 85 p. Available at: <https://iwlearn.net/manuals/methodologies>
8. *Gray C.F., Larson E.W.* Project management: The Managerial Process. *McGraw-Hill / Irwin Series Operations and Decision Sciences*, 4th edition, 2008. 528 p.
9. *Integrating Population, Health, and Environment (PHE) Projects: A Programming Manual.* USAID, 2007. 106 p.
10. *Nazaruk M.M., Koinova I.B.* Environmental Management: Manual (in Ukrainian). Lviv: Eney, 2004. 216 p.
11. *A Guide to the Project Management Body of Knowledge (PMBOK® Guide).* Sixth Edition. *Project Management Institute*, 2017. 756 p.
12. *Watt A.* Project Management. *BCcampus*, 2014. 220 p. Available at: <https://open.umn.edu/opentextbooks/textbooks/456>
13. *Samoilenko V.M.* GIS designing: Textbook (in English and Ukrainian) / V.M. Samoilenko, L.M. Datsenko, I.O. Dibrova. Kyiv: *SE 'Print Service'*, 2015. 256 p.
14. *Samoilenko V.M.* Geographic information systems and technologies: Electronic Textbook, DVD. Kyiv: *Nika-Center*, 2011. ISBN 978-966-521-585-1.
15. *Samoilenko V., Bilous L., Havrylenko O., Dibrova I. (2021a)* Geoinformation model cause-effect analysis of anthropogenic impact in the Podilsko-Prydniprovskiy region. *European Association of Geoscientists & Engineers. Conference Proceedings, Geoinformatics, May 2021*, V.2021: 1–6. <https://doi.org/10.3997/2214-4609.20215521006>
16. *Samoilenko V., Bilous L., Havrylenko O., Dibrova I. (2021b)* Monitoring of anthropogenic impact in the Left Bank Dnipro and the Eastern Ukrainian regions. *European Association of Geoscientists & Engineers. Conference Proceedings, XV International Scientific Conference "Monitoring of Geological Processes and Ecological Condition of the Environment"*, Nov. 2021, Kyiv, V.2021: 1–5. <http://dx.doi.org/10.3997/2214-4609.20215K2013>

Web sources / Джерела Інтернет:

17. <https://www.unenvironment.org>
18. <http://www.undp.org>