MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
Ivan Franko National University of Lviv

Approved by the Academic Board
of the Ivan Franko National University of Lviv
Chair of the Academic Board

_____ Volodymyr MELNYK
Minutes No 8/5 as of 01. 05. 2025

The study program is enacted since September 1, 2025

Study program
Postwar landscape reconstruction

Master degree
Specialty "C6 Geography and Regional Studies",
Filed "C Social Sciences, Journalism, Information and International Affairs"

Lviv – 2025

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Developed by the work group:

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Chair of the work group
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APPROVED by

the Academic Board of the Faculty of Geography

Minutes No 11 of November 26, 2024

Dean of the Faculty of Geography _____ Volodymyr BILANYUK

1. Study Program Profile
"Postwar Landscape Reconstruction"

1.1. General information	
Full name of the higher educational institution and the structural unit	Ivan Franko National University of Lviv, Faculty of Geography
Obtained qualification and the title of the program	Master. Master of Geography and Regional Studies
Official title of the study program	Postwar landscape reconstruction
Diploma type and scope of the program	Master diploma, solitary, 90 ECTS credits. Term of study – 1 year and 4 months
Accreditation	–
Cycle / level	National Qualifications Framework – 7 level, FQ-EHEA –second cycle, EQF LLL – 7 level
Preconditions	Availability of the first level of higher education – a bachelor or "Specialist" diploma in any field of study
Language of instruction	English
Validity term of the study program	Till the next update
Permanent Internet address for the program description	https://geography.lnu.edu.ua
1.2. Goal of the study program	
The goal is to train professionals capable of realizing projects in reconstruction of areas as social-ecological systems (landscapes), which suffered, directly or indirectly, from the consequences of warfare, and considering new political, social, economic, and environmental factors – geopolitical reformatting, population migration, economy and land use transformation, climate change and others with extensive involvement of international experience in this field and interaction with foreign institutions.	

1.3. Study program characteristics	
Subject domain	Field: C Social sciences, journalism, and information. Specialty: C6 Geography and Regional Studies. Study object: the Earth's geographical sphere, its spatial natural and socioeconomic diversity, connections between the natural environment and human activities, natural and social landscape systems. Study objectives: training of experts capable of: studying natural and social components of the landscape sphere; solving complex tasks of scientific and innovative character; pursuing project and applied activities in the domains of nature use, urban and regional development, and spatial planning. Theoretical contents of subject domain: the main theories and concepts of spatial organization of the Earth's geographical sphere, natural and socioeconomic peculiarities of its evolution and functioning. Methods and techniques: techniques of acquisition, processing, and propagation of geospatial information; methods of filed, laboratory, and statistical methods of natural- and social-geographic studies, mapping, GIS-analysis and modeling, retrospective analysis, and geographic forecasting. Instruments and equipment: hardware and software necessary for field, statistical, and analytical studies of natural and social properties of the Earth's sphere and its components (with regard to the specialty), and other geographic systems.
Study program orientation	Master study program
Major focus of the study program and specialization	Comprehensive education in the filed C Sociology, Journalism, and Information and specialty C6 Geography and Regional Studies with an emphasis on landscape studies and reconstruction of areas subjected to direct or indirect warfare. Key words: landscape, social-ecological system, post-war reconstruction, land use, change, adaptation.
Special features of the program	The program concentrates on the management (planning) of the landscape as a social-ecological system considering new circumstances caused by the war, geopolitical reformation, and climate change. The program is student-centered with opportunities to find out about international approaches in the field of landscape reconstruction from foreign guest lecturers invited to this study programme. The program is based on advanced scientific and practical experience – the program developers and professors are experts participating in international applied projects on landscape management, including war zones.

1.4. Graduate employability and readiness for further education	
Employability	In public, municipal, and private organizations engaged in research, project, and economic activities in the fields of land use, spatial planning, and regional and local governance. Fluency in professional English in this field allows graduates to work both in Ukraine in organizations and institutions that already have or seek to build cooperation with foreign partners and at the same time easily to be integrated into the professional international environment in case of employment abroad. According to the Classification of Occupations DK 003:2010, the following qualifications apply: 2442.2 Geographer; 2442.2 Specialist in Urban and Regional Planning; 2442.1 Researcher (Geography); 2442.1 Junior Researcher (Geography).
Further education	The opportunity to pursue third-level (educational-research) higher education.
1.5. Teaching and assessment	
Teaching and learning	Individual, student-centered, project-based learning centered on qualification research topics, with a strong emphasis on self-directed learning and practical/seminar activities.
Assessment	Assessment of academic performance is carried out according to both the European Credit Transfer and Accumulation System (ECTS) and the national grading system. Ongoing assessment includes the completion of practical and laboratory work, presentations, participation in seminar discussions, internships, and the development of a term paper. Final assessment is conducted through credits, oral and written exams, as well as the defense of internships and the term paper. Final certification involves the preparation and public defense of a qualification (master's) thesis before an examination committee. This thesis addresses a complex, original scientific or practical problem, thereby generating new knowledge about landscape management as a socio-ecological system in the context of post-war recovery.
1.6. Program competences	
Integral competence	The ability to solve complex tasks and applied problems, as well as to make analytical and managerial decisions in the fields of geography, natural resource management, and urban and regional development. This involves conducting research and/or implementing innovations under uncertain conditions and requirements.
General competences (GC)	GC01. Ability to search for, process, and analyze information from various sources. GC02. Ability to learn and acquire modern knowledge. GC03. Ability to identify, formulate, and solve problems. GC04. Ability to make well-founded decisions. GC05. Ability to work in a team. GC06. Ability to communicate in a foreign language.

Professional (special) competences (PC)	**PC01.** Ability to apply theories, concepts, and paradigms of contemporary geography, as well as the history of geographical research and ideas, for studying natural and socio-territorial systems at various levels of spatial organization. **PC02.** Ability to conduct scientific analysis of contemporary issues and the specific features of nature-society interactions, utilizing principles of rational territorial resource use, basic environmental legislation, urban and regional development planning, to develop proposals for optimizing resource use and ensuring sustainable regional development. **PC03.** Ability to employ specialized geographical methods and approaches, as well as geoinformation technologies, to solve specific scientific and applied problems in the fields of geography, resource management, urban, and regional development. **PC04.** Ability to develop and support the implementation of regional sustainable development programs and conduct territorial planning across different hierarchical levels. **PC05.** Ability to professionally evaluate programs, strategies, and plans for territorial development, global processes of globalization, regionalization, and urbanization, and perform geo-ecological and socio-geographical expertise and monitoring of these processes. **PC06.** Ability to apply theoretical knowledge and practical skills in systemic analysis and synthesis, geographical modeling, and forecasting in professional activities. **PC07.** Ability to employ interdisciplinary approaches in critically analyzing issues of resource management, geo-planning, urban, and regional development, recreation, and tourism, and to assess potential risks, as well as the socio-economic and environmental impacts of management decisions in these areas. **PC08.** Ability to plan, conduct, and publicly present the results of scientific research, ensuring effective communication of personal knowledge, conclusions, and arguments to both specialists and non-specialists. **PC09.** Ability to engage in scientific and pedagogical activities in higher education institutions based on a competence-oriented approach. **PC10.** Ability to study the landscape as a complex socio-natural geographical system. **PC11.** Ability to conduct landscape management in the context of post-war reconstruction, population migration, transformation of economic structures, and climate change.

1.7. Study program results	
Study program results (PR)	PR01. To apply gained theoretical knowledge and practical skills for the research of natural and social territorial systems at the different levels of spatial organization. PR02. Evaluate results of own work, to demonstrate an ability of team work. PR03. To communicate fluently on professional and scientific topics in foreign language. PR04. To conduct research and/or innovative activity aimed at the gaining new knowledge, development of new methods and procedures in Geography and interdisciplinary contexts. PR05. Be able to identify, formulate and solve scientific and applied problems, critically evaluate decisions made. PR06. To apply modern models and information technologies for conducting research and development in the field of geography, natural resource use, urban and regional development. PR07. To participate in development of programs and strategies for urban and regional, territorial planning at different hierarchical levels. PR08. To conduct research of natural and social geographical manifestations of geosystems' development in complex and unpredictable circumstances, predict their development, analyze alternatives, to evaluate risks and possible consequences. PR09. To perform qualified evaluation of programs, strategies and development plans of the area, to conducts their geoecological and socio-economic examination and monitoring. PR10. To apply GIS technologies, create and research models of natural and social geographical manifestations of geosystems' development, to define the capabilities and limits of their application. PR11. To estimate possible risks, socio-economic and geoecological consequences of implementation of managerial decisions in the field of land and nature resource use, urban and regional development, recreation and tourism. PR12. To plan and conduct theoretical and applied research, make grounded inferences, analyze and present research results. PR13. To carry out scientific and pedagogical activities in higher education institutions, to develop the necessary educational, methodological and informational provision for this. PR14. To apply methods of integrated nature-social geographical studies for the purpose of landscape management. PR15. To develop recommendations for the use of landscape in conditions of post-war reconstruction, population migration, transformations in the structure of the economy and climate change.

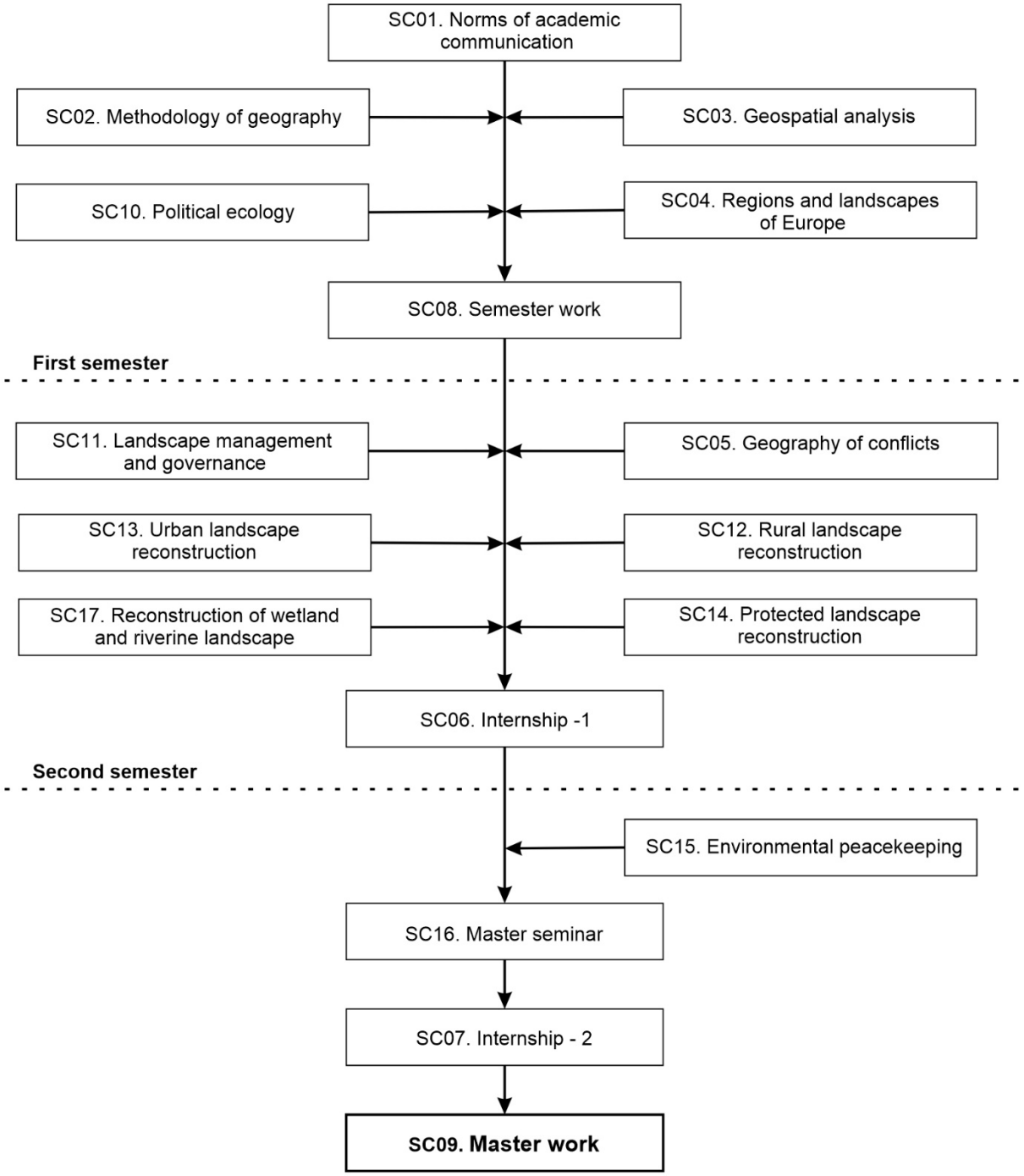
1.8. Resource provisions for the program implementation	
Staff provisions	The study program's academic disciplines are taught by highly qualified scientific and pedagogical staff, including 2 doctors of sciences and professors, and about 10 candidates of sciences and associate professors. All faculty members involved in teaching have the necessary level of pedagogical, professional competence and real-life experience, in particular, due to participation in international applied geographical projects. All teachers undergo advanced training once every 5 years.
Material and technical provisions	Master students have access to the educational laboratories «Safety of landscape» and «Geoinformation technologies and landscape planning», Chornohora geographical and Roztochia landscape-geophysical research stations as well as, if necessary, other educational and educational-scientific laboratories of the Faculty of Geography.
Information and methodological provisions	All master students are provided with corporate accounts within university information system, which ensure an access to MS Office 365 cloud applications. There are perpetual licenses for GIS software ArcGIS provided by developer. Students can use classrooms equipped with PC as well as own laptops with MS Windows operation system. Publications (monographies, articles and tutorial), geo-data and other materials (syllabi, lecture presentations, practical and seminar tasks, etc.), which are used in the study process are in digital format and constantly available via corporate platforms MS Teams and E-learning / Moodle. By using corporate accounts Master students have access to the Web of Science database of scientific publications.
1.9. Academic mobility	
National credit mobility	Study based on bilateral agreements between Ivan Franko National University of Lviv and higher education institutions of Ukraine: Taras Shevchenko National University of Kyiv, Vasyl Karazin National University of Kharkiv, other higher education institutions.
International credit mobility	Study in the frame of Erasmus+ EU program based on bilateral agreements between Ivan Franko National University of Lviv and higher education institutions of the partner countries: Jagiellonian University (Krakow, Poland); Maria Curie-Sklodowska University (Lublin, Poland); University of Wrocław (Wroclaw, Poland); Uniwersytet Pomorski w Słupsku (Slupsk, Poland); Eberhard Karls University of Tübingen (Tubingen, Germany); University of Versailles Saint-Quentin-en-Yvelines (Versailles, France).
Study of international students	The terms of study are determined by the “Rules of Admission of Ivan Franko National University of Lviv”.

2. List of the study program components, and their logical sequence

2.1. List of study program components

Code	*Study program components (academic disciplines, semester works, internships, qualification work)*	*Number of credits*	*Control form*
Mandatory components			
SC01	Academic communication	3	Credit
SC02	Methodology of geography	3	Exam
SC03	Geospatial analysis	3	Credit
SC04	Regions and landscapes of Europe	3	Exam
SC05	Geography of conflicts	3	Exam
SC06	Internship - 1	6	Credit
SC07	Internship - 2	6	Credit
SC08	Semester work	3	Credit
SC09	Qualification (master) work	6	Public defense
SC10	Political ecology	4	Exam
SC11	Landscape management and governance	4	Exam
SC12	Rural landscape reconstruction	4	Exam
SC13	Urban landscape reconstruction	4	Exam
SC14	Protected landscape reconstruction	4	Exam
SC15	Environmental peacekeeping	3	Exam
SC16	Master seminar	4	Credit
SC17	Reconstruction of wetland and riverine landscape	3	Credit
Total of mandatory study program components		**66**	
Elective components			
EC01	General elective discipline	3	Credit
EC02	Professional elective discipline	5	Credit
EC03	Professional elective discipline	5	Credit
EC04	Professional elective discipline	5	Credit
EC05	Professional elective discipline	3	Credit
EC06	Professional elective discipline	3	Credit
Total of elective components		**24**	
Total scope of the study program		**90**	

2.2. Study program flowchart



3. Form of master student attestation

Final attestation of master students is a public defense of a master qualification work in front of an examination board and ends with issuing a document certifying assignment of a Master degree with the qualification “Master in Geography and Regional Studies. Study program”.

4. Matrix of correspondence of program competences (GC, PC) to study program components (SC)

	SC01	SC02	SC03	SC04	SC05	SC06	SC07	SC08	SC09	SC10	SC11	SC12	SC13	SC14	SC15	SC16	SC17
GC01	+		+	+	+	+	+	+	+	+	+	+	+	+	+		+
GC02	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
GC03	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC04	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	
GC05	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+
GC06	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PC01		+			+	+	+	+	+	+		+	+	+	+		+
PC02		+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
PC03			+			+	+	+	+		+	+	+	+	+		
PC04						+	+		+	+	+	+	+	+	+		+
PC05				+	+	+	+		+	+	+	+	+	+	+	+	+
PC06			+			+	+	+	+			+	+	+	+		+
PC07		+		+		+	+	+	+	+	+	+	+	+	+	+	+
PC08	+							+	+								+
PC09	+																+
PC10		+				+	+	+	+	+	+	+	+	+	+	+	+
PC11					+	+	+		+	+	+	+	+	+	+	+	+

5. Matrix of supporting program study results (PR) by respective study program components (SC)

	SC01	SC02	SC03	SC04	SC05	SC06	SC07	SC08	SC09	SC10	SC11	SC12	SC13	SC14	SC15	SC16	SC17
PR01	+	+	+	+	+	+	+	+	+	+		+	+	+	+		
PR02	+	+	+			+	+	+		+		+	+	+	+	+	+
PR03	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PR04	+					+	+	+	+	+	+	+	+	+	+		
PR05		+				+	+	+	+	+	+	+		+	+	+	+
PR06		+	+			+	+	+	+	+		+		+	+		
PR07					+	+		+		+	+	+	+	+	+	+	+
PR08		+		+	+	+		+	+	+	+	+		+	+	+	
PR09						+	+	+		+	+	+	+	+	+	+	
PR10		+	+			+	+	+	+	+		+		+	+		
PR11				+	+	+	+	+		+	+	+	+	+	+	+	
PR12	+					+	+	+	+	+		+		+	+		+
PR13	+						+		+								+
PR14		+	+	+		+	+	+	+	+		+	+	+	+	+	+
PR15					+	+		+		+	+	+	+	+	+	+	+

Supplement

List of elective disciplines

Cycle of general training			
EC01	Elective discipline of general training	3	Credit
Cycle of professional and practical training			
EC02	Political geography	5	Credit
	Geoglobalistics		Credit
	Global environmental policy		Credit
	EU environmental policy		Credit
EC03	Sociology of landscape	5	Credit
	Behavioral geography		Credit
	Modern military conflicts in Europe		Credit
	Ecosystem services evaluation methods		Credit
EC04	Historical regional studies	5	Credit
	Historical landscape studies		Credit
	Tools for community engagement in reconstruction of landscapes		Credit
	Policy and practice of postwar reconstruction in Ukraine		Credit
EC05	Green infrastructure	3	Credit
	Grey infrastructure		Credit
	Climate change adaptation of urban landscape		Credit
	Climate change adaptation of forest landscape		Credit
EC06	War impact on lithogenic resources	3	Credit
	Belligerent landforms restoration		Credit
	Remote sensing of the landscape		
	Landscape monitoring and assessment of reconstruction effectiveness		Credit
Total of elective components:		**24**	