MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

V. N. KARAZIN KHARKIV NATIONAL UNIVERSITY

CONFIRMED

Academic Council of

V. N. Karazin Kharkiv National University

“\_\_\_\_” \_\_\_\_\_\_\_\_\_\_\_\_\_ 20\_\_\_

protocol №\_\_\_

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Vice-Rector for Research and Academic Affairs

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Name, SURNAME)

MICRO-SQUALIFICATION PROGRAM

***Management and planning of protected areas and their networks in post-war reconstruction***

NATIONAL QUALIFICATIONS FRAMEWORK LEVEL \_\_\_\_\_7\_\_\_\_\_\_\_\_\_\_\_\_\_

(5, 6, 7, 8 level)

QUALIFICATION TYPE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_professional\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(educational or professional)

CATEGORY OF QUALIFICATION \_\_\_\_\_\_\_\_\_\_\_microqualification\_\_\_\_\_\_\_\_\_\_\_

(partial qualification or micro-qualification)

QUALIFICATION \_\_\_\_\_\_\_\_\_Specialist in the Organization of Protected Areas and

Ecological Networks\_\_\_\_\_\_\_\_\_\_\_\_

(title of qualification)

**Kharkiv 2026**

**Profile of the program**

|  |  |  |
| --- | --- | --- |
| **1. General information** | | |
| **Head of the program** | | Maksymenko Nadiya, Doctor of Geography, Professor, Head of the Department of Environmental Monitoring and Protected Areas Management. |
| **Members of the program development working group** | | 1. Hrechko A. A., PhD in Earth Sciences, Associate Professor of the Department of Environmental Monitoring and Protected Areas Management. 2. Shumilova A.V., PhD in Geographical Sciences, Head of the Research Department of the Slobozhansky National Nature Park. 3. Gololobov V. V., postgraduate student, ONP Ecology. |
| **Full name of the higher education institution and structural unit where the program is implemented** | | V. N. Karazin Kharkiv National University, Institute of Environmental Sciences, Green Energy, and Sustainable Development, Department of Environmental Monitoring and Protected Areas Management |
| **National Qualifications Framework Level** | | 7 (NQF Ukraine), Second cycle (QF-EHEA),  7 (EQF-LLL) |
| **Official name of the program** | | Management and planning of protected areas and their networks in post-war reconstruction |
| **Type of document issued and scope of the program in ECTS credits and academic hours** | | Certificate  3 ECTS, 90 hours |
| **Language(s) of teaching /assessment** | | Ukraine, English / Ukraine |
| **2. Program goal** | | |
| *The aim of the educational program is to provide theoretical and practical training for specialists who possess a set of declared competencies and are prepared to work in the field of economics (according to DK 009:2010) with the generalized object of activity "Organization and development of measures for the formation and functioning of the ecological network of Ukraine for the preservation of biological and landscape diversity in reference areas in the context of sustainable development" during post-war reconstruction (for Ukraine).* | | |
| **3. Characteristics of the programmes** | | |
| **Orientation, features and objectives of the program** | | *The microcredit program is application-oriented and provides training in the functional duties involved in organizing and developing measures for the formation and functioning of natural resource facilities and the ecological network of Ukraine during the country's post-war recovery. The programme includes international participation in its development and delivery within the framework of the Erasmus+ project «DOMANI – Developing Micro-credentials Ecosystems in Ukraine and Mongolia for Competitive and Resilient Green Economies».* |
| **The main focus of the program** | | *Scientific and research justification for the organization and development of measures for the formation and functioning of Ukraine's ecological network and nature reserve fund objects in the context of post-war reconstruction.*  *Keywords: nature reserve fund, functional zoning, ecological corridors.* |
| **4. Teaching and assessment** | | |
| **Teaching and learning** | | *Main approaches: student-centred, activity-based, and value-oriented; e-learning, distance learning, and self-directed learning. Educational technologies: problem-based and developmental, interactive, information and communication, and project-based.* |
| **Assessment** | | *The 100-point grading system is based on the accumulation of points from the following types of assessment: ongoing (oral and written questioning), intermediate (defense of practical and independent work, seminar activities, tests), and final assessment in a test format.* |
| **5. Program competencies or job functions** | | |
| **General competencies** | *GC01. Ability to learn and acquire contemporary knowledge. GC02. Ability to make well-founded decisions.* | |
| **Professional competencies** | *PC1. Ability to apply new approaches to the analysis and forecasting of complex phenomena, and to critically assess problems in professional activities. PC2. Ability to communicate knowledge and personal conclusions effectively to both specialists and non-specialists. PC3. Ability to engage in self-education and professional development based on innovative approaches in ecology, environmental protection, sustainable natural resource management, and nature conservation. PC4. Ability to establish clear legal and scientific criteria and priorities when identifying territories with different protection statuses, using knowledge of ecological network design principles, spatial differentiation of various categories, and objects of the protected areas system in a given region. PC5. Ability to apply acquired knowledge in the field of nature conservation, modern methods, and technologies to develop measures for the preservation of biodiversity and landscape diversity when forming structural elements of ecological networks, based on national and international legislation.* | |
| **DOMANI Competence** | *DC1. Ability to solve multidimensional sustainable development challenges by integrating approaches from different fields, forecasting trends, and adapting strategies to changing conditions.*  *DC2.Developing scenarios, shaping a vision of the desired future, and creating innovative solutions for sustainable transformations.*  *DK3. Working productively in diverse teams, resolving conflicts constructively, and maintaining focus on shared goals.*  *DK4. Assessing ecosystem health in terms of biodiversity, planning and restoring habitats, managing protected areas to conserve species, environments, and ecosystem services..* | |
| **6. Program learning outcomes** | | |
| **Program learning outcomes** | PLO 1. Be able to use modern information resources on ecology, nature management, environmental protection, and conservation.  PLO 2. Be able to assess landscape and biological diversity and analyze the effects of anthropogenic impact on natural environments.  PLO 3. Be able to critically comprehend theories, principles, methods, and concepts from various subject areas to solve practical problems and issues in ecology and conservation.  PLO 4. Know the provisions and requirements of international and national legislative and regulatory documents in the field of nature conservation.  PLO 5. Know the legal norms, principles of formation and functional organization of the Ukrainian ecological network, and methods of organization and functioning of nature conservation areas. | |
| **DOMANI Program Learning Outcomes** | *DPLO 1. Ability to objectively analyze situations, identify opportunities for value creation, and develop strategies that balance impact, feasibility, and ethics. DPLO 2. Ability to clearly define problems, identify key stakeholders and their interrelationships, and pinpoint leverage points for systemic change. DPLO 3. Ability to shape a vision of a desired future, generate and test solution ideas, and determine intervention points with the greatest impact. DPLO 4. Ability to work effectively in a team, resolve conflicts constructively, and maintain alignment toward shared goals.* | |
| **7. Resource provision for program implementation** | | |
| **Human resources** | Lecturers have a scientific degree and/or academic title, including Doctors of Geographical Sciences, Doctors of Philosophy. All lecturers are full-time employees of V. N. Karazin KhNU, who regularly take advanced training. | |
| **Material and technical support** | Equipment and supplies necessary for field research, technical training aids (multimedia projectors, laptops, printers; scanners, personal computers with software) for the formation of subject competencies in the learning process; use of bases for conducting training and practical classes in national parks and other protected natural areas (under cooperation agreements). | |
| **Information and educational and methodological support** | Official websites KKNU (<https://karazin.ua/>), Institute of Post-Qualifying Education and Part-Time (Distance) Learning ([http://moodle.karazin.uа](http://moodle.karazin.xn--u-8sb/)), Institute of Environmental Sciences, Green Energy, and Sustainable Develoment (<http://ecology.karazin.ua>) contain information about the microcredit educational program. | |

**Table 2**

**8. List of program components**

| **Code** | **Program Components (modules, topics, assignments, practical component, assessment)** | **Credits / Hours** | **Assessment Form** |
| --- | --- | --- | --- |
| EC1 | Theoretical foundations of nature conservation | 0.5 / 15 | Test |
| EC2 | Organization of nature conservation in Ukraine | 0.5 / 15 | Test |
| EC3 | The impact of war on protected areas and ways to overcome problems | 1.0 / 30 | Test |
| PC1 | *Practical component* | 1 / 30 | Differentiated credit |
| A1 | *Final assessment / Exam* |  |  |
| **TOTAL PROGRAM VOLUME** | | **3 / 90** |  |

**9. Form of attestation according to the program**

1. Oral control method: individual interview at the beginning and end of training; individual or frontal interview during the course, final control.

2. Written control method (checking written assignments, tests)

3. Taking a final test for certification

The following methods are used to control the performance of independent work: survey, testing, and performance of tests.

The system of control of students' knowledge in the discipline consists of current control, intermediate and final control of knowledge. Assessment of students' success in the discipline is carried out in points.

Assessment of students' knowledge, skills and abilities in the discipline takes into account all types of classes provided for by the curriculum, namely lectures, practical classes, and performance of independent work. Current control in the discipline involves assessing students' knowledge and skills during practical work (30 points), intermediate control is carried out through testing and performance of tests (2\*10=20) points.

Final control in the discipline is carried out in the form of test control (40 points).

**10. Program verification**

Head of the program \_\_\_\_\_\_\_\_\_\_\_\_\_ Nadiya MAКSYMENKO

(signature) (Name, SURNAME)

Considered at the department meeting \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

from «\_\_\_» \_\_\_\_\_\_ 20\_\_ , protocol № \_\_\_

Head of the Department \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Nadiya MASKYMENKO

(signature) (Name, SURNAME)

«\_\_\_» \_\_\_\_\_\_\_\_\_ 20\_\_