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

***Financial instruments of green banking***

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 use of green banking tools\_\_\_\_\_\_

(title of qualification)

**Kharkiv 2026**

**Profile of the program**

|  |  |  |
| --- | --- | --- |
| **1. General information** | | |
| **Head of the program** | | Kot Anna, Senior Lecturer at the Department of Ecology and Environmental Management |
| **Members of the program development working group** | | Kot Anna, Senior Lecturer at the Department of Ecology and Environmental Management |
| **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 Ecology and Environmental Management |
| **National Qualifications Framework Level** | | 7 (NQF Ukraine), Second cycle (QF-EHEA),  7 (EQF-LLL) |
| **Official name of the program** | | Financial instruments of green banking |
| **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 goal of the micro-credential educational programme “Financial Instruments of Green Banking” is to provide students and professionals with knowledge and practical skills in the use of modern green banking and sustainable finance instruments to support sustainable development and the implementation of environmentally safe and climate-neutral projects, with an emphasis on ESG principles and green investment mechanisms.* | | |
| **3. Characteristics of the program** | | |
| **Orientation, features and objectives of the program** | | *The educational programme “Financial Instruments of Green Banking” has an applied orientation and is aimed at developing practical skills in managing financial flows in the field of sustainable development, as well as in the design and implementation of green banking products and financing mechanisms for environmentally oriented projects within the post-war recovery of Ukraine.* |
| **The main focus of the program** | | *Scientific and practical substantiation and application of green banking financial instruments to support the development of the green economy and the sustainable recovery of economic activity in Ukraine in the post-war period.*  *Key words: green economy, environmental finance, green banking, sustainable development, climate-neutral projects* |
| **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 technologies.* |
| **Assessment** | | *100-point evaluation system through the following types of control with accumulation of points received: current (oral and written survey), intermediate (defense of practical, independent works, seminar classes, tests), final certification in the form of a test.* |
| **5. Program competencies or job functions** | | |
| **General competencies** | *GC01. Commitment to environmental protection and conservation.*  *GC02. Ability for abstract thinking, analysis, and synthesis.* | |
| **Professional competencies** | *PC01. Ability to assess, interpret, and synthesize theoretical information and practical, production, and research data.*  *PC02. Ability to plan and organize agricultural production, carry out business project design, and evaluate the effectiveness of innovation implementation in agronomy and the digitalization of agribusiness.*  *PC03. Ability to manage complex activities or projects and to take responsibility for decision-making under specific production conditions.*  *PC04. Knowledge and understanding of the organizational, economic, and legal foundations of effective organic production and management of agricultural enterprises to ensure sustainable natural resource use.*  *PC05. Ability to ensure sustainable management of soil resources, environmental safety of crop production, and measures for maintaining and restoring soil fertility.* | |
| **DOMANI - competencies** | *DC01. Solving multidimensional sustainable development challenges through the integration of approaches from different fields, forecasting trends, and adapting strategies to changing conditions.*  *DC02. Collecting, analysing, and interpreting data related to sustainable development to support evidence-based decision-making.*  *DC03. Developing and implementing strategic plans, optimizing resource use, managing finances, and effectively mitigating risks in projects.*  *DC04. Developing green business models, assessing the profitability of sustainable investments, applying circular economy instruments, and integrating ESG standards into the planning of environmental projects.* | |
| **6. Program learning outcomes** | | |
| **Program learning outcomes** | *PRN 01. Solve problems in the field of environmental protection using generally accepted and/or standard approaches, as well as international and national best practices.*  *PRN 02. Demonstrate knowledge and understanding of the principles of organic production at a level necessary for organizing this type of agribusiness in compliance with established requirements.*  *PRN 03. Understand the principles of personnel and resource management and the main approaches to decision-making under conditions of incomplete/insufficient information and conflicting requirements.*  *PRN 04. Be able to assess the potential environmental impacts of technogenic facilities and economic activities and to calculate related risks.*  *PRN 05. Select optimal environmental protection and/or natural resource management strategies under conditions of uncertainty.* | |
| **DOMANI – Programme Learning Outcomes** | *DPRN 01. Clearly formulate problems, identify key actors and interrelationships, and determine leverage points for systemic change.*  *DPRN 02. Collect, clean, and validate datasets; apply appropriate analytical methods; and identify trends, patterns, and uncertainties.*  *DPRN 03. Develop effective plans, allocate resources efficiently, manage budgets transparently, and proactively mitigate risks.*  *DPRN 04. Work effectively in a team, constructively resolve conflicts, and maintain alignment around shared goals.* | |
| **7. Resource provision for program implementation** | | |
| **Human resources** | *The programme is delivered by lecturers holding scientific degrees and/or academic titles, including Doctors of Geographical Sciences and PhDs. All lecturers are full-time employees of V. N. Karazin Kharkiv National University and regularly participate in professional development, seminars, and training. They effectively prepare students for work in agribusiness, natural resource management, and ecology, using modern approaches to analysis, planning, and management.* | |
| **Material and technical support** | *Equipment and resources necessary for educational and research activities are provided, including technical teaching aids (multimedia projectors, laptops, printers, scanners, personal computers with software) for developing subject-specific competencies. Training and practical sessions can also utilize partner facilities and databases under cooperation agreements.* | |
| **Information and educational and methodological support** | Official websites KKhNU (<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 Development (<http://ecology.karazin.ua>) contain information about the microcredit educational program. | |

**2. List of program components**

|  |  |
| --- | --- |
| Component/Topic Name | Number of hours / ECTS |
| Part 1. Theoretical Foundations of Green Banking and Sustainable Finance | 30 /1 |
| Part 2 Financial Instruments for Supporting the Green Economy | 30 /1 |
| Part 3. International Practices and Standards of Sustainable Finance | 30 /1 |
| Final certification | **90/3** |

**3. 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)

**4. Program verification**

Head of the program \_\_\_\_\_\_\_\_\_\_\_\_\_ Anna KOT

(signature) (Name, SURNAME)

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

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

Head of the Department \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Andriy ACHASOV

(signature) (Name, SURNAME)

«\_\_\_» \_\_\_\_\_\_\_\_\_ 20\_\_