

Ministry of Education and Science of Ukraine
V.N. Karazin Kharkiv National University

EDUCATIONAL AND PROFESSIONAL PROGRAM

educational and professional/educational and scientific

Applied Economics

(name of the program)

Specialty 051 Economics

(code, name of specialty)

Specialization

(name of specialization)

second (master's) level of higher education

first (bachelor's), second (master's), third (educational and scientific)

APPROVED by the Academic Council
V.N. Karazin Kharkiv National University

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Vice-rector for scientific and pedagogical
work

(Oleksandr HOLOVKO)

Kharkiv 2023



APPROVAL LETTER

Educational and professional program Applied Economics

The curriculum was reviewed and approved

1. The Scientific and Methodological Council of V.N. Karazin Kharkiv National University
Minutes № 8 of 16.05. 2023

Chairman of the Scientific and Methodological Council

Vice-rector for scientific and pedagogical work


Oleksandr HOLOVKO

2. The Academic Council of the Faculty of Economics
Minutes № 6 of 20.04. 2023

Chairman of the Academic Council of the Faculty of Economics


Oleksandr DAVYDOV

3. The Scientific and Methodological Commission of the Faculty of Economics
Minutes № 9 of 19.04. 2023

Chairman of the Scientific and Methodological Commission of the Faculty of Economics


Victoria EVTUSHENKO

4. Department of Economic Cybernetics and Applied Economics
Minutes № 10 of 17.04. 2023

Chairman of the Department of Economic Cybernetics and Applied Economics


Tamara MERKULOVA

Preamble

Developed by the working group:

Surname, first name, patronymic	Position title (for the part-time employees – main job, position)	Academic degree, academic title, awarded by the department (specialty)
Head of the working group		
Merkulova T. V.	Professor of the Department of Economic Cybernetics and Applied Economics	D.of Sc. in Economics, Professor of the Department of Economic Cybernetic and Applied Economics
Members of the working group		
Danich V. M.	Professor of the Department of Economic Cybernetics and Applied Economics	D.of Sc. in Economics, Professor of the Department of Economic Cybernetic and Applied Economics
Bitkova T.V.	Associate professor of the Department of Economic Cybernetic and Applied Economics	Ph.D. in Economics, Associate professor of the Department of Economic Cybernetic and Applied Economics

1. PROFILE OF THE EDUCATIONAL AND PROFESSIONAL PROGRAM

1 – General characteristic	
Full name of higher educational institution and structural unit	V.N. Karazin Kharkiv National University School of Economics
The official name of the program	Applied Economics
Degree of Higher education	Master
Qualification to be awarded	Master's degree in Economics, Applied Economics
Type of the diploma and scope of the educational program	Master's diploma, single, 90 ECTS credits,
Availability of accreditation	Certificate series UD № 21013549 issued 18.09.2017 by the Ministry of Education and Science of Ukraine
Background	Persons who have a bachelor's degree in any specialty are admitted to the master's program
Language of instruction	Ukrainian, English
Duration of study	1 year 4 months
Internet address for the permanent posting of the educational program description	http://www.econom.kharkov.ua/ http://www.cyber.kharkov.ua/
2 – The purpose of the educational program	
The purpose of the program	To provide high-quality education of professional economists having modern economic thinking, theoretical knowledge, and applied skills; capable of solving complex research, innovation, and management tasks and problems, related to the functioning of economic systems on various levels under conditions of multi-criteria and uncertainty
3 – Characteristics of the educational program	
Subject area (field of knowledge, specialty, specialization (if any))	Field of knowledge "Social and behavioral sciences" Specialty 051 "Economics" Educational program "Applied Economics" The object of study – modern economic processes and phenomena, scientific methods of normative, quantitative, institutional analysis, and economic policy-making tools for international, national, regional, sectoral, and enterprise economies.
Orientation of the educational program	The program is focused on the wide application of modern methods of modeling, forecasting, information, and communication technologies for the analysis and solving theoretical and applied problems of economy and business.
The main focus of the educational program and specialization	Actual problems of economy and business and approaches to their solving; applied aspects of using modern qualitative and quantitative methods of analysis, modelling and forecasting of socio-economic processes.
Features of the program	The implementation in the educational process of modern information systems and software products, applicable to economic activity, along with information and communication equipment; the possibility of internships at foreign universities within the framework of student mobility programs and international

	<p>projects;</p> <p>program disciplines can be taught in English;</p> <p>distance learning methods are used;</p> <p>electronic versions of educational materials are available.</p>
4 – Graduates' suitability for employment and further education	
Suitability for employment	<p>Graduates can perform professional activities of economists and analysts in the fields of project and program management; innovation and investment sphere; marketing, logistics, and production optimization; and work as developers and analysts of computer systems. They can occupy positions of specialists; managers; managers of small and medium-sized businesses / structural units; consultants, junior researchers, teachers. Graduates have a sufficient base for professional and career growth.</p>
Further education	<p>There is an opportunity to continue education at the third (educational and scientific) level of higher education and to obtain additional qualifications in the adult education system</p>
5 – Teaching and assessment	
Teaching and learning	<p>The program is developed on the basis of a student-centred approach with elements of problem-oriented learning and laboratory practice. Modern teaching methods and educational technologies are used: information and communication technologies, special software; methods of research activity and presentation of research results. Various teaching methods are applied: cases, games, computer experiments, discussions, students' teamwork, elements of self-study.</p>
Evaluation	<p>For current control of students' knowledge and skills tests, practice, laboratory works, control tasks, and presentations are provided.</p> <p>The final control is carried out according to a four-level and two-level evaluation scale.</p>
6 – Programme competencies	
Integral competence (IC)	<p>The ability to identify and solve complex economic tasks and problems, to make appropriate analytical and managerial decisions in the field of economics or in the learning process, which involves conducting research and/or implementing innovations under uncertainty.</p>
General competencies (GC)	<p>GC1. Ability to generate new ideas (creativity).</p> <p>GC2. Ability to abstract thinking, analysis, and synthesis.</p> <p>GC3. Ability to motivate people and move towards a common goal.</p> <p>GC4. Ability to communicate with representatives of other professional groups of different levels (with experts from other fields of knowledge/types of economic activity).</p> <p>GC5. Ability to work in a team.</p> <p>GC6. Ability to develop and manage projects.</p> <p>GC7. The ability to act on the basis of ethical principles (motives).</p> <p>GC8. Ability to conduct research at an appropriate level.</p>
Special (professional, subject) competences (SC)	<p>SC1. Ability to apply scientific, analytical, and methodological tools to substantiate the strategy of</p>

	<p>development of economic entities and related management decisions.</p> <p>SC2. Ability of professional communication in the field of economics in a foreign language.</p> <p>SC3. Ability to collect, analyze and process statistical data, scientific and analytical materials, which are necessary for solving complex economic problems, to draw reasonable conclusions based on them.</p> <p>SC4. Ability to use modern information technologies, methods and techniques for the study of economic and social processes, adequate to the established research tasks.</p> <p>SC5. Ability to identify key trends in socio-economic and human development.</p> <p>SC6. Ability to formulate professional tasks in the field of economics and solve them, choosing the appropriate ways and methods of their solution, taking into account the available resources.</p> <p>SC7. Ability to substantiate management decisions regarding the effective development of economic entities.</p> <p>SC8. Ability to assess potential risks, and socio-economic consequences of management decisions.</p> <p>SC9. Ability to apply a scientific approach to the formation and implementation of effective projects in the social and economic sphere.</p> <p>SC10. Ability to develop scenarios and strategies for the development of socio-economic systems.</p> <p>SC11*. Ability to plan and develop projects in the field of economy, to implement their informational, methodological, material, financial, and personnel support.</p> <p>SC12*. Ability to analyze business processes using modern modeling concepts.</p> <p>SC13*. Ability to analyze risks in economic decision-making.</p> <p>SC14*. Ability to justify management decisions, taking into account European integration processes.</p>
7 – Programme learning outcomes	
<p>Programme Learning Outcomes (PLO)</p>	<ol style="list-style-type: none"> 1. To formulate, analyze and synthesize solutions of scientific and practical problems. 2. To develop, substantiate and make effective decisions, related to the development of socio-economic systems and management of economic entities' activity. 3. To communicate freely on professional and scientific issues in national and foreign languages orally and in writing. 4. To develop socio-economic projects and a system of complex actions for their implementation, taking into account their goals, expected socio-economic consequences, risks, legislative, resource and other restrictions. 5. To adhere to the principles of academic integrity. 6. To evaluate the results of one's own work, demonstrate leadership skills and the ability to manage personnel and work in a team. 7. Choose effective methods of managing economic activity, substantiate the proposed solutions on the basis of relevant

	<p>data, scientific and applied research.</p> <p>8. To collect, process and analyze statistical data, scientific and analytical materials, necessary for solving complex economic problems.</p> <p>9. To make effective decisions under uncertain conditions and requirements, which require new approaches, methods and tools of socio-economic research.</p> <p>10. To apply modern information technologies and specialized software in socio-economic research and management of socio-economic systems.</p> <p>11. To determine and critically evaluate the state and trends of socio-economic development, to build and analyze models of economic systems and processes.</p> <p>12. To substantiate management decisions regarding the effective development of economic entities, taking into account goals, resources, constraints and risks.</p> <p>13. To assess potential risks and socio-economic consequences of management decisions.</p> <p>14. To develop scenarios and strategies for the development of socio-economic systems.</p> <p>15. To organize the development and implementation of socio-economic projects, taking into account informational, methodological, material, financial and personnel support.</p>
8 – Resource support for program implementation	
Specific characteristics of staff support	The high-quality composition of scientific and pedagogical personnel, who ensure the educational process of the educational program meets the licensing conditions for educational activity implementation (Resolution of the Cabinet of Ministers of Ukraine No. 365, dated 03.24.2021)
Specific characteristics of the material and technical support	Material and technical support, condition of the buildings, premises, and training areas, necessary for the organization of high-quality training of masters in the specialty 051 "Economics", meets the licensing requirements. All educational and administrative premises meet the requirements of safety precautions and provide conditions for lighting and ventilation. Students who need dormitories are provided with them. All students are provided with the equipment and specialized software for computer laboratories that ensure the implementation of the curriculum of educational programs.
Specific characteristics of informational and teaching-methodical security	Educational-methodical and information support for masters' training in the specialty 051 "Economics" is carried out in accordance with the approved educational and professional program, curriculum, requirements of normative and educational-methodical higher education documents. All disciplines of the curriculum have appropriate educational, methodological and information support, namely, work programs, which include: discipline programs, planned learning outcomes, learning outcomes evaluating procedure, recommended literature (main, auxiliary), information Internet resources; programs for all types of practical training; methodical materials for final assessment of higher education

	<p>applicants. All disciplines of the Applied Economics Master educational programme curriculum in specialty 051 "Economics" are provided with a sufficient amount of primary and methodical literature.</p> <p>An important role in the information support of Master students training in specialty 051 "Economics" belongs to the Central Scientific Library of V. N. Karazin Kharkiv National University.</p>
9 – Academic mobility	
National Credit Mobility	It is carried out on the basis of bilateral agreements between V. N. Karazin Kharkiv National University and other institutions of higher education. Individual agreements about academic mobility and studying in higher education institutions of Ukraine are allowed.
International Credit Mobility	Lodz University (Poland), University of Barcelona (Spain), Georgian Technical University in Tbilisi (Georgia).
Education of foreign higher education students	It is carried out on the basis of the conditions for training foreign applicants for higher education, adopted at V. N. Karazin University in accordance with the requirements of the current legislation.

2. Components of the educational and professional program and their logical sequence

1. List of the components

Code n/a	Components of the educational program (academic discipline, course projects (works), internships, qualification work)	Number of credits	Form of final control
1	2	3	4
1. Mandatory components			
OK1.	Methodology of socio-economic research	3	Examination
OK2.	Presentation of scientific research and academic integrity	3	Examination
OK3.	The national economy in the context of EU integration	4	Credit
OK4.	Basics of entrepreneurship	4	Credit
OK5.	Enterprise resource planning (ERP systems)	4	Examination
OK6.	Economic modeling	5	Examination
OK7.	Simulation	5	Examination
OK8.	Applied econometrics	6	Credit
OK9.	Business processes modeling	5	Credit
OK10.	Economic risk and methods of its measuring	4	Credit
OK11.	Study practice	5	Credit
OK12.	Pre-graduation practice	8	Credit
OK13.	Performing a master's thesis	10	
Total volume of regulatory part		66	
2. Elective components			
2.1. General training cycle			
3 courses with a total volume of 10 ECTS are elected from the faculty list of elective disciplines			
BK2.1.1	Elective course 1	4	Examination
BK2.1.2.	Elective course 2	4	
BK2.1.3.	Elective course 3	4	
BK2.1.4.	Elective course 4	3	Credit
BK2.1.5.	Elective course 5	3	
BK2.1.6.	Elective course 6	3	
BK2.1.7.	Elective course 7	3	Credit
BK2.1.8.	Elective course 8	3	
BK2.1.9.	Elective course 9	3	
2.2. Professional training cycle			
4 courses with a total volume of 14 ECTS are elected from 2 blocks of disciplines			
Block of elective disciplines 1 (2 courses are elected with a total volume of 8 ECTS)			
BK 2.2.1	Elective course 1	4	Examination
BK 2.2.2	Elective course 2	4	
BK 2.2.3	Elective course 3	4	
BK 2.2.4	Elective course 4	4	Credit
BK 2.2.5	Elective course 5	4	
BK 2.2.6	Elective course 6	4	

Block of elective disciplines 2 (2 courses are elected with a total volume of 6 ECTS)

BK2.3.1	Elective course 1	3	Examination
BK2.3.2.	Elective course 2	3	
BK2.3.3.	Elective course 3	3	
BK2.3.4.	Elective course 4	3	Credit
BK2.3.5.	Elective course 5	3	
BK2.3.6.	Elective course 6	3	
Total volume of elective disciplines		24	
TOTAL VOLUME OF THE EDUCATIONAL PROGRAM		90	

The catalog of elective disciplines and the procedure of their election are placed on the site

<http://www.cyber.kharkov.ua/>

3. Attestation form of Higher Education applicants

Attestation of graduates of the educational program "Applied Economics" specialty 051 "Economics" is carried out in the form of defense of a qualification master's thesis and ends with the issuance of a document of the established form on awarding graduates a master's degree with the assignment of an educational qualification: Master of Economics, Applied Economics.

The purpose of certification is to confirm the actual compliance of the level of educational and professional training of graduates with the requirements of this educational and professional program and the Higher Education Standard.

A qualifying master's thesis is allowed to be defended in the attestation commission, provided that the level of its uniqueness (originality) meets the standard approved officially by the Higher Education Institution. Applicants of higher education who have completed successfully the curriculum and have scientific publications and approvals at scientific conferences are admitted to attestation. Qualifications for graduates are given by the attestation commission. Attestation is carried out openly and publicly.

5. Matrix of providing the program learning outcomes by corresponding components of the educational program

	OK1	OK2	OK3	OK4	OK5	OK6	OK7	OK8	OK9	OK10	OK11	OK12	OK13
PLO1	+	+	+								+	+	+
PLO2	+			+	+							+	+
PLO3		+		+								+	
PLO4									+	+			+
PLO5	+	+											+
PLO6				+							+	+	+
PLO7		+			+	+						+	+
PLO8					+			+	+		+	+	+
PLO9				+				+	+	+			+
PLO10					+	+		+	+		+	+	+
PLO11		+	+			+							+
PLO12							+		+				
PLO13										+			
PLO14	+			+		+							+
PLO15							+		+				+

ELECTIVE COURSES

Educational and professional program **Applied Economics**

№ n/a	Course	Semester	Number of credits, final control
General training cycle			
1	Taxes and tax policy	2	4 ECTS Examination
2	Tax management	2	
3	Tax regulation of the economy	2	
4	Financial market	2	3 ECTS Credit
5	Financial management	2	
6	Financial analysis	2	
7	Business law	3	3 ECTS Credit
8	Labor law	3	
9	Intellectual property	3	
Professional training cycle			
Block 1			
1	Project management	2	4 ECTS Examination
2	Project analysis	2	
3	Investment analysis	2	
4	Supply chain modeling	2	4 ECTS Credit
5	Logistic	2	
6	Management of logistic systems	2	
Block 2			
1	Intellectual systems of data analysis	3	3 ECTS Examination
2	Neural networks	3	
3	Introduction to data science	3	
4	E-commerce	3	3 ECTS Credit
5	E-marketing	3	
6	Cryptocurrency	3	