

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
NATIONAL TECHNICAL UNIVERSITY OF UKRAINE
“IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE”

APPROVED

Academic Council of NTUU “Igor
Sikorsky Kyiv Polytechnic Institute”
(meeting protocol № _ from ____ 2020
Chairman of the Academic Council
_____ Mykhaylo ILCHENKO

International Economics
EDUCATIONAL PROFESSIONAL PROGRAM
second (master's) level of higher education
in specialty 051 Economics
Areas of knowledge 05 Social and behavioral sciences
Qualification: Master of Economics

Entered into force by Order of the
Rector
of NTUU “Igor Sikorsky Kyiv
Polytechnic Institute”
from _____ 2020 № ____

Kyiv - 2020

DEVELOPED by the project team:

Project team leader:

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Project team members:

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Anna Kukharuk, Ph.D., associate professor, Department of International Economics _____

Head of the International Economics Department

Voitko Serhii, Doctor of Economic Sciences, professor _____

AGREED:

Scientific and Methodical Council of Speciality 051 "Economics" Igor Sikorsky Kyiv Polytechnic Institute

Head of the Scientific and Methodical Council of Speciality _____ Serhii Voitko

(meeting protocol № ____ from « ____ » _____ 2020 p.)

Methodical Council Igor Sikorsky Kyiv Polytechnic Institute

Head of Methodical Council _____ Yuri Yakimenko

(meeting protocol № ____ from « ____ » _____ 2020 p.)

CONTENT

1. EDUCATIONAL PROGRAM PROFILE	4
2. EDUCATIONAL PROGRAM COMPONENTS LIST	10
3. EDUCATIONAL PROGRAM STRUCTURAL AND LOGICAL SCHEME	11
4. GRADUATE CERTIFICATION FORM OF HIGHER EDUCATION APPLICANTS	12
5. CONFORMITY MATRIX OF SOFTWARE COMPETENCIES TO THE COMPONENTS OF THE EDUCATIONAL PROGRAM	13
6. MATRIX OF PROVIDING PROGRAM LEARNING RESULTS BY RELEVANT COMPONENTS OF THE EDUCATIONAL PROGRAM	

INCLUDED:

The following people joined the work on the Educational Program:

Evhen NOVAKIVSKY, Technical Director

LLC "Center for Resource Efficient Production"

Olena POKRAS, graduate student

Mykhailo KRUTSIK, graduate student

Relevant feedback is attached.

The educational-professional program was discussed after receiving all the wishes and suggestions from students and graduates of educational programs and approved at an extended meeting of the International Economics Department (Protocol № 10 from 30. 06. 2020).

1. EDUCATIONAL PROGRAM PROFILE in the specialty 051 Economics

1 – General information

Full name of the higher education institution and institute / faculty	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” Faculty of Management and Marketing
Degree of higher education and title of qualification in the original language	Degree HE - master Educational qualification - Master of Economics in the EPP "International Economics"
The official name of the EP	International Economics
Type of diploma and scope of EP	Master's degree, single, 90 ECTS credits term of study 1 year 4 months
Accreditation availability	НД № 1192609
Program cycle / level	National Qualifications Framework of Ukraine – the 8 level QF-EHEA – the second cycle EQF-LLL – the 7 level
Precondition	Bachelor's degree
Language teaching	Ukrainian /English
Validity of the EP	Till 01.07.2025 p.
Internet address of the of educational program permanent placement	fmm@kpi.ua http://ied.kpi.ua/uk/main/ osvita.kpi.ua

2 – The purpose of the educational program

Training of highly qualified economic specialists with modern economic thinking, theoretical knowledge and applied skills, able to solve complex research, innovation and management problems and problems of functioning of economic systems of different levels, characterized by uncertainty of conditions and requirements.

3 – Characteristics of the educational program

Subject area	<p><i>Object of study and / or activity:</i> modern economic processes and phenomena, scientific methods of normative, quantitative and institutional analysis, tools for the formation of international, national, regional, sectoral economic policy and business economics.</p> <p><i>Learning objectives:</i> training of highly qualified professionals in economics who have modern economic thinking, theoretical knowledge and applied skills, able to solve complex research, innovation and management problems and problems of functioning of economic systems of different levels, characterized by uncertainty of conditions and requirements. Theoretical content of the subject area: general laws and trends of economic development, motivation and behavior of market participants; theories of micro-, macro- and international economics; modern quantitative methods of analysis of economic processes; institutional and interdisciplinary analysis; patterns of modern socio-economic processes; theories of economic management for different production systems and sectors of the economy.</p> <p><i>Methods, techniques and technologies:</i> general scientific and specific methods of cognition and research; mathematical, statistical, qualitative methods of economic analysis; sociological, expert evaluation, questionnaires; economic and mathematical modeling of forecasting; information and communication technologies, special software; research methods and presentation of research results.</p>
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	<i>Tools and equipment:</i> modern information and communication equipment, information systems and software products used in economic activity
Orientation of the EP	Educational and professional
The main focus of the EP	The program is based on well-known scientific provisions, general laws and trends of economic development, scientific methods of normative, quantitative and institutional analysis, tools for the formation of international, national, regional, sectoral economic policy and enterprise economics. Key words: corporate economy, global economy, sectoral economy, economics of foreign economic activity, economic management, anti-crisis management, economic diagnostics, competitive advantages of an enterprise, finance, intellectual property, justification of management decisions, innovation.
Features of the EP	The implementation of the program provides for the involvement of professional practitioners, industry experts, representatives of employers in classroom training

4 – The suitability of graduates for employment and further education

Employability	Graduates can work at enterprises of any organizational and legal form in positions (according to the classifier of professions of Ukraine DK 003:2010): 2419.2 Professionals in Marketing, Business Efficiency, Industrial Rationalization, Intellectual Property: Professional in Economic Cybernetics. Specialist in ecological modeling of economic systems. Business Performance Consultant 2441. Professionals in Economics Junior Research Fellow (Economics). Research Fellow (Economics). Research Fellow-Consultant (Economics) According to the International Standard Classification of Occupations 2008, graduates can work in positions corresponding to the groups 12 Administrative and commercial managers 121 Business services and administration managers 33 Business and administration associate professionals in Intern. comers 332 International Sales and purchasing agents and brokers.
Further education	Continuing education at the third (educational and scientific) level of higher education and / or acquiring additional qualifications in the adult education system.

5 – Teaching and evaluation

Teaching and learning	The general learning style is task-oriented. Teaching is carried out in the form of: lectures, practical classes, computer workshops, independent work with the ability to consult with a teacher, course work, individual tasks, practice, the use of information and communication technologies (e-learning, online lectures, distance courses) for individual educational components , performance of qualifying work. All participants in the educational process are provided with timely and understandable information regarding the goals, content and programmatic results of training, the procedure and criteria for assessment.
Evaluation	The current and semester control and defense of the qualifying work are assessed in accordance with certain criteria of the Rating assessment system.

6 – Program competencies

Integral competence	The ability to identify and solve complex economic tasks and problems, make appropriate analytical and managerial decisions in the field of economics or in the learning process, provides for research and / or innovation under uncertain conditions and requirements.
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General competences (GC)

GC 1	The ability to generate new ideas (creativity).
GC 2	The ability to abstract thinking, analysis, synthesis.

GC 3	The ability to motivate people and move towards a common goal.
GC 4	The ability to communicate with representatives of other professional groups of different levels (with experts from other fields of knowledge/types of economic activity).
GC 5	The ability to work as a part of a team.
GC 6	The ability to develop and manage projects.
GC 7	The ability to act on ethical reasons (motives).
GC 8	The ability to conduct research at the appropriate level.
GC 9	The ability to manage the processes of innovative development of economic actors taking into account the peculiarities of their organizational forms.
GC 10	The ability to use specialized knowledge and practical skills for scientific analysis and problem solving in the professional field by modeling method.
GC 11	The ability to apply modern methods of scientific research in the professional field.
Professional competences of specialty (PC)	
PC 1	The ability to use scientific, analytical, methodological tools to substantiate the strategy of development of economic actors and related management decisions.
PC 2	The ability to communicate professionally in the field of economy in a foreign language.
PC 3	The ability to collect, analyze and process statistical data, scientific and analytical materials, which are necessary for solving complex economic problems, to draw on their basis reasonable conclusions.
PC 4	The ability to use modern information technologies, methods and techniques of research of economic and social processes, adequate to the established needs of research.
PC 5	The ability to identify key trends in social and economic and human development.
PC 6	The ability to formulate professional tasks in the field of economy and solve them, choosing the right directions and appropriate methods for their solution, taking into account the available resources.
PC 7	The ability to substantiate management decisions on effective development of business entities.
PC 8	The ability to assess possible risks, social and economic consequences of management decisions.
PC 9	The ability to apply scientific approach to the formation and implementation of effective projects in the socio-economic sphere.
PC 10	The ability to develop scenarios and strategies for the development of socio-economic systems.
PC 11	The ability to plan and develop projects in the field of economy, to carry out its information, methodological, material, financial and personnel support.
PC 12	The ability to develop measures to manage the processes of international economic activity of regions, industries, intersege complexes.
PC 13	The ability to apply modern methods of scientific research in the professional field.
PC 14	The ability to use public scientific communications skills.
PC 15	The ability to organize and conduct research and analytical work.
PC 16	The ability to form science-based effective strategies in professional activities.
PC 17	The ability to form an information base of scientific and analytical materials necessary to solve the tasks.
PC 18	The ability to conduct situational analysis of the conceptual model regarding the behavior of the object of the study.
PC 19	The ability to use specialized knowledge and practical skills for scientific analysis and problem solving in the professional field by modeling method.
PC 20	The ability to form recommendations for the effective functioning of the object of research.

7 – Program study results	
Knowledge	
KN 1	Economic, organizational principles and ethical standards of management of intellectual property.
KN 2	Technologies for the use of patent information for professional communication.
KN 3	Theoretical, methodological, and organizational approaches to the formation of the principles of sustainable development of countries in the context of globalization and strategies for their implementation.
KN 4	Methodologies for the formation of indicators of the economic dimension of sustainable development and their impact on the international economic activity of countries, regions, intersectoral complexes.
KN 5	Fundamentals of foreign business language in economics.
KN 6	Basic professional-oriented vocabulary required for communication in professional and scientific circles in a foreign language.
KN 7	Methodological principles of innovation management of business entities.
KN 8	Scientific and technical regulations for the development and implementation of startup projects in the field of management.
KN 9	Methodological approaches for making individual and collective decisions in solving scientific and practical problems in professional activities.
KN 10	Technologies for creating new decision-making systems in various fields of activity and modern forms of their presentation in professional and scientific circles.
KN 11	Theoretical, methodological, organizational and economic aspects of the formation and development of social responsibility in making individual and collective decisions.
KN 12	Features of social responsibility and principles of integrity of various subjects of social development.
KN 13	Forms of communicative capacity in the field of social responsibility and the formation of different types of corporate culture.
KN 14	Theoretical, methodological, and organizational aspects of project development and management.
KN 15	Methods and forms of innovative implementations for project management
KN 16	Conceptual provisions for evaluating the effectiveness of practical implementation of projects and forms of presentation of results.
KN 17	Methods of selection and means of using the necessary tools for risk management of economic activity.
KN 18	Methods of application of the modern economic, mathematical, and information technologies for managing the economic activity in market economy conditions.
KN 19	Conceptual provisions for assessing the possible risks and consequences of management decisions in a market economy.
KN 20	Regularities of the development of natural, innovative, technological, and human resources of the global economy; tools for regulating global economic processes.
KN 21	Methodologies of formation of modern strategies for global corporations competitive leadership.
KN 22	Directions of Ukraine's integration into the global economic space.
KN 23	Interests and needs of economic entities of Ukraine in relations with other subjects of the world.

KN 24	The impact of international trade on the development of national economies.
KN 25	Organization and regulation of international trade, practices of supranational regulation of international trade relations.
KN 26	The essence of corporate forms of organization of economic activity, patterns of their development and transformation, considering the available resources.
KN 27	Management systems of corporate forms of organization of economic activity.
KN 28	Methods of planning and organization of financial and economic activities of integrated corporate structures.
KN 29	Modern methods of scientific research, basics of scientific knowledge.
KN 30	Organizational forms of scientific communications and technologies for preparing public presentation of the research results.
KN 31	Principles of organization and conducting the research and innovation activities.
KN 32	Methods of selection and use of tools for scientific analysis of research results and evaluation of their reliability.
KN 33	Conceptual provisions for the formation of effective strategies for managing the activities of study object.
KN 34	Modern technologies for collecting and processing statistical data, creating an information base of scientific and analytical materials needed to solve complex problems in the functioning of the object of study.
KN 35	Methodologies for conducting situational analysis of the model of the object of study and modern means of assessing its variation.
KN 36	Specifics of the scientific analysis of the researched problem on the basis of information sources.
KN 37	Special methods of generalization of factual information material on the object of research and a reasonable choice of modeling tools to solve problems.
KN 38	Modern modeling technologies for evaluating the effectiveness of study object.

Proficiency

PR 1	To formulate, analyze and synthesize solutions to scientific and practical problems.
PR 2	To develop, justify and make effective decisions on the development of socio-economic systems and management of economic entities.
PR 3	To communicate fluently on professional and scientific issues in state and foreign languages in speaking and writing.
PR 4	To develop socio-economic projects and a system of comprehensive actions for their implementation, considering their goals, expected socio-economic consequences, risks, legislative, resource and other constraints.
PR 5	Adhere to the principles of academic integrity.
PR 6	To evaluate the results of their own work, demonstrate leadership skills and ability to manage staff and work in a team.
PR 7	To choose effective methods of the economic activity management, to substantiate the suggested decisions on the basis of relevant data and scientific and applied researches.
PR 8	To collect, process and analyze statistical data, scientific and analytical materials needed to solve complex economic problems.
PR 9	To make the effective decisions under uncertain conditions requiring the application of new approaches, methods, and tools for socio-economic research.
PR 10	To apply modern information technologies and specialized software in socio-economic research and in management of socio-economic systems.

PR 11	To identify and critically assess the state and trends of socio-economic development, form and analyze models of economic systems and processes.
PR 12	To justify management decisions for effective business development, taking into account goals, resources, constraints and risks.
PR 13	To assess probable risks, socio-economic consequences of management decisions.
PR 14	To develop scenarios and strategies for the development of socio-economic systems
PR 15	To organize the development and implementation of socio-economic projects taking into account information, methodological, material, financial and staff assistance.
PR 16	To generate, process indicators that characterize the level of economic development of the country, industry, enterprise and form strategies for their development.
PR 17	To calculate indicators, index of economic dimension of sustainable development and use them in the process of international economic activity of countries, regions, intersectoral complexes
PR 18	To analyze the innovative activity of economic entities, to form management decisions for the development and implementation of innovative products
PR 19	To use modern software and hardware, information technologies in the development and implementation of startup projects in the field of management
PR 20	To conduct research with modern methods of scientific knowledge
PR 21	To present the results of research work in the form of public scientific communications
PR 22	To organize and explore independent research and innovation activities
PR 23	To know methods for calculating the main indicators of international scientific and technical cooperation of the enterprise and the national economy as a whole
PR 24	To develop long-range strategies for effective management of the research object
PR 25	To develop and analyze a conceptual model for the behavior of the object of study, to establish its adequacy to statistics data.
PR 26	To generalize different concepts of the researched problem on the basis of information sources.
PR 27	To analyze and predict the nature and depth of competitive interaction of global economy entities; to identify factors and mechanisms for forming the competitiveness of international business entities.
PR 28	To generate, process indicators that characterize the level of economic development of the country, industry, enterprise and form strategies for their development.
PR 29	To apply your knowledges in international business practice for successful management of division, enterprise, association of enterprises etc.

8 – Resource support for program implementation

Staff assistance	According with the staffing requirements for educational activities for the relevant level of HE (Annex 2 to the License Terms), approved by the Resolution of the Cabinet of Ministers of Ukraine dated 30.12.2015 № 1187 as amended in accordance with the Resolution of the Cabinet of Ministers of Ukraine №347 from 10.05.2018.
Material and technical support	According with the technological requirements for logistics of educational activities of the relevant level of HE (Annex 4 to the License Terms), approved by the Resolution of the Cabinet of Ministers of Ukraine dated 30.12.2015 № 1187 as amended in accordance with the Resolution of the Cabinet of Ministers of Ukraine № 347 dated 10.05.2018. Use of equipment: training rooms with multimedia projectors, computer equipment with appropriate software.

Information and methodological support	According with the technological requirements for educational and methodological support of educational activities of the relevant level of HE (Annex 5 to the License Conditions), approved by the Cabinet of Ministers of Ukraine dated 30.12.2015 № 1187 as amended in accordance with the Resolution Of the Cabinet of Ministers of Ukraine №347 dated 10.05.2018. Use of the Scientific and Technical Library of KPI named after Igor Sikorsky
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9 – Academic mobility

National credit mobility	Opportunity for concluding relevant agreements
International credit mobility	Erasmus +, Eurasia
Training of foreign applicants	Training based on proficiency in Ukrainian - training in general groups, or in separate groups with lecturing in English

2. COMPONENTS LIST OF THE EDUCATIONAL PROGRAM

Code	Components of the educational program (disciplines, course projects / works, practice, qualification work)	Number of ECTS credits	Form of final control
1. Compulsory educational components			
1.1. General training cycle			
3O 1	Intellectual Property and Patenting	3	Test
3O 2	Economic Dimension of Sustainable Development	2	Test
3O 3	Practicum in Foreign Professional Communication	3	Test
3O 4	Innovation Management	3	Test
3O 5	Methodology of Decision-Making in the Context of Globalization	2,5	Test
3O 6	Social Responsibility	2,5	Test
3O 7	International Project Management	2,5	Test
1.2. Vocational training cycle			
ΠO 1	Risk Forecasting in International Economic Activity	3,5	Exam
ΠO 2	Global Economy	3,5	Exam
ΠO 3	Integrated Corporate Structures in International Business	3,5	Exam
ΠO 4	International Trade	3	Test
ΠO 5	International Trade Coursework	1	Test
Research (scientific) cycle			
ΠO 6	Scientific Work on Theme of Master Thesis	4	Test
ΠO 7	Pre-diploma Practice	14	Test
ΠO 8	Training of Master Thesis	16	defence
2. Optional educational components			
2.1. Vocational training cycle (Optional subjects from Faculty catalogue)			
ΠB 1	Educational component 1 of the F-Catalog	4	Test
ΠB 2	Educational component 2 of the F-Catalog	4	Exam
ΠB 3	Educational component 3 of the F-Catalog	3	Test
ΠB 4	Educational component 4 of the F-Catalog	4,5	Exam
ΠB 5	Educational component 5 of the F-Catalog	3	Test
ΠB 6	Educational component 6 of the F-Catalog	4	Exam
TOTAL IN COMPULSORY educational components:		67,5	
TOTAL IN SELECTIVE educational components:		22,5	
The amount of educational components that ensure the certain acquisition competencies at SHE		31,5	
TOTAL OF THE EDUCATIONAL PROGRAM		90	

4. FORM OF GRADUATE CERTIFICATION OF HIGHER EDUCATION APPLICANTS

Certification forms of higher education applicants	Graduation certification of applicants under the educational program "International Economics" specialty 051 "Economics" is conducted in the form of public defense of the qualification work. Qualification work is checked for plagiarism and after defense is placed in the repository of STL (scientific and technical library) University for free access. Publication of qualification works containing information with limited access should be carried out in accordance with the requirements of current legislation. The final attestation is completed by the issuance a standard document of master's degree award with qualification: Master of Economics, graduation with Educational and Professional program - "International Economics".
Requirements for qualification work	Qualification work should provide the ways of solving a complex specialized problem or practical problem in the field of international economics using theories and methods of economics. There can be no academic plagiarism, falsification or writing off in the qualification work.

5. MATRIX OF CONFORMITY A PROGRAM COMPETENCIES TO THE COMPONENTS OF THE EDUCATIONAL PROGRAM

	30 1	30 2	30 3	30 4	30 5	30 6	30 7	ПО 1	ПО 2	ПО 3	ПО 4	ПО 5	ПО 6	ПО 7	ПО 8
GC 1	+				+										
GC 2	+	+		+	+										
GC 3						+									
GC 4	+					+									
GC 5							+								
GC 6							+								
GC 7						+									
GC 8		+					+								
GC 9				+											
GC 10					+										
GC 11					+										
PC 1								+	+	+	+	+			
PC 2			+												
PC 3											+	+			
PC 4								+							
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PC 20															+

6. MATRIX OF PROVIDING PROGRAM LEARNING RESULTS BY RELEVANT COMPONENTS OF THE EDUCATIONAL PROGRAM

	30 1	30 2	30 3	30 4	30 5	30 6	30 7	ПО 1	ПО 2	ПО 3	ПО 4	ПО 5	ПО 6	ПО 7	ПО 8
KN 1	+														
KN 2	+														
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