

NATIONAL TECHNICAL UNIVERSITY OF UKRAINE
"IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE"
FACULTY OF MANAGEMENT AND MARKETING

APPROVED

Methodical council
Igor Sikorsky Kyiv Polytechnic
Institute
(protocol № 5 from “ 05 ” 03 . 2026)

P-CATALOG
SELECTED EDUCATIONAL DISCIPLINE
CYCLE OF PROFESSIONAL TRAINING
for applicants of the third (Educational and Scientific) level
of Higher Education (PhD degree)
the Educational and Scientific Program «ECONOMICS»
on Specialty C1 Economics and International Economic Relations (by specializations)

APPROVED:

FMM Academic Council
Igor Sikorsky Kyiv Polytechnic
Institute
(protocol № 7 from " 27" 02. 2026)

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P-Catalog Elaborated by:

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P-Catalog was reviewed and approved at the meeting of the Department of International Economics, protocol № 10 dated February 18, 2026.

Approved by:

Department of Economic Cybernetics (protocol № 11 dated February 18, 2026);

Department of Economics and Business (protocol № 12 dated February 11, 2026).

INFORMATION FOR APPLICANTS

We present to your attention the P-Catalog for selecting elective educational components of the Educational and Scientific Program "Economics" at the third (educational scientific) level of higher education (Doctor of Philosophy).

According to Section X, Article 62 of the Law of Ukraine "On Higher Education" (No. 1556-VII dated 01.07.2014), elective courses are disciplines of free choice for students at a specific level of higher education. They are aimed at ensuring general and specialized (professional) competencies in the chosen specialty. The volume of elective courses must be at least 25% of the total number of ECTS credits provided for this level of education.

According to the Regulations on the Implementation of the Right to Free Choice of Academic Disciplines by Students of Igor Sikorsky Kyiv Polytechnic Institute, students make their selections using the University's specialized information system (<https://my.kpi.ua/>).

Before choosing academic disciplines, students familiarize themselves with the procedure, deadlines, and specifics of enrolling in the proposed courses, as well as the conditions for forming study groups/streams for elective courses from the F-Catalog.

The P-Catalog contains an annotated list of courses offered for selection by postgraduate students (PhD) at the third (educational and scientific) level of higher education, in accordance with their curriculum for the upcoming academic year.

The results of the student's choice of academic disciplines are recorded in their individual study plan under the section "Selected Disciplines", in accordance with the Regulations on the Individual Study Plan for Higher Education Students at Igor Sikorsky Kyiv Polytechnic Institute.

The academic disciplines included in the student's individual study plan are mandatory for study.

All aspects related to the implementation of students' right to choose disciplines can be found in the Regulations on the Implementation of the Right to Free Choice of Academic Disciplines by Students of Igor Sikorsky Kyiv Polytechnic Institute (<https://osvita.kpi.ua/node/185>).

P-Catalog
Selective Educational Components
Educational and Scientific Program "Economics"

The total number of credits for the autumn semester of 2026–2027's selective educational component is 5 credits, the form of semester control - Exam
(one component from the list)

№	Semester	Selective educational components	Number of Credits
1	3	Economic Theories of Nobel Laureates	5
2	3	Economics of War	5
3	3	Regulation of Structural Changes in the Economy	5

The total number of credits for the spring semester of 2026–2027's selective educational component is 4 credits, the form of semester control – Final Test
(one component from the list)

№	Semester	Selective educational components	Number of Credits
1	4	Experts in Teamwork	4
2	4	Digital Transformation of the Economy	4
3	4	Intellectual Resources of Economic Systems	4

The total number of credits for the spring semester of 2026–2027's selective educational component is 5 credits, the form of semester control - Exam
(one component from the list)

№	Semester	Selective educational components	Number of Credits
1	4	Integration Processes in International Research	5
2	4	Economic and Mathematical Modelling of Research Space Objects	5
3	4	Modern Models and Mechanisms of Economic Development	5

Disciplines for graduate students to choose (3th semester, 5 credits, exam)

(one component from the list)

Discipline	Economic Theories of Nobel Laureates
Department	International Economics
Educational level	Third (educational and scientific)
Year of study	2 / 3 semester
Number of ECTS credits	5 credits / 150 hours (30 hours of classroom work, 120 hours of independent work)
Language of study	English
Assumed knowledge and prerequisites	The study of the discipline presupposes advanced knowledge of microeconomic and macroeconomic theory, the evolution of economic thought, and contemporary theoretical paradigms. A mandatory requirement is the ability to conduct critical analysis, comparative evaluation, and methodological interpretation of the scientific concepts of Nobel Prize laureates within the context of the development of modern economic science".
What will be studied?	The following issues will be studied in detail in the training sessions: The essence of the Nobel Prize in economics. Neo-Keynesian direction of Nobel laureates in economic theory. Neoclassical direction of Nobel laureates in economic theory. The development of neoliberalism in the economic theories of Nobel laureates. Neo-institutionalism in the economic theories of Nobel laureates. Formation of Nobel Prize winners in behavioral economics. The latest technologies of applied analysis in the economic theory of Nobel laureates. Nobel laureates of today and their economic theories.
Why it is interesting / necessary to study	The course will be useful to all those who intend to: systematically comprehend the scientific achievements of the world level in the field of economics, create opportunities, analyze and evaluate the impact of economic theories of Nobel laureates on the world economy; to practically apply the achievements of Nobel laureates in the world economy, as well as to analyze modern views on the economic theories of Nobel laureates and to study examples of their use at the micro level of states.
Why you can learn (learning outcomes)	-to apply the acquired knowledge of the basic economic theories of Nobel laureates in the process of scientific research; -to use the basic principles of economic theories of Nobel laureates for the development and adoption of management decisions at the level of the country, region or enterprise; - to determine the prospects for the development of countries, regions, enterprises, taking into account the basic provisions of economic theories of Nobel laureates.
How to use the acquired knowledge and skills (competencies)	Ability to use professional knowledge and practical skills in neoliberalism and neo-institutionalism in economic theories of Nobel laureates in order to use scientific, intellectual, industrial, information potential in the process of synthesizing knowledge of economic theories of Nobel laureates to make proposals to improve the efficiency of the domestic economy
Information support	The information support of the discipline consists of educational and teaching-methodical materials available in the "Electronic Campus" system (https://campus.kpi.ua), the Electronic Archive of Scientific and Educational Materials of Igor Sikorsky Kyiv Polytechnic Institute - ELAKPI (https://ela.kpi.ua), the "Sikorsky" Distance Learning Platform https://www.sikorsky-distance.org), scientific articles and conference proceedings (including author's) in open access
Semester control	Exam

Discipline	Economics of War
Department	Economic cybernetics
Educational level	Third (educational and scientific)
Year of study	2 / 3 semester
Number of ECTS credits	5 credits / 150 hours (30 hours of classroom work, 120 hours of independent work)
Language of study	English
Assumed knowledge and prerequisites	The study of this discipline is based on knowledge of the patterns of world economy development and proficiency in neoclassical modeling tools for economic processes.
What will be studied?	During the study of the subject will be considered such issues as: theoretical and methodological foundations of the economy of the enterprise, industries and the country as a whole in the context of a full-scale military conflict; innovative and investment strategies for ensuring infrastructure revival and regional development in the post-war period; development priorities and key aspects of infrastructure security.
Why it is interesting / necessary to study	As a result of Russia's aggression, Ukraine will need about \$500 billion to rebuild, and this is only an estimate of the destruction for 2024. Today, it is impossible to study the country's economy without taking into account martial law and the consequences of the war. The fall in GDP, industrial production, mass migration, and increased public debt also affect the country's financial strategy and tax policy. It is extremely important to understand the scale of losses, to be able to calculate damages and to model the recovery of interconnected complex dimensions - infrastructure, economic, social and environmental.
Why you can learn (learning outcomes)	The course provides for the mastery of economic processes in wartime conditions: infrastructure destruction, personnel shortages, tough tax policy and limited resources and allows you to learn: Organisation of operational activities and internal production relations at the enterprise in wartime; Develop a strategy for economic activity in the harsh conditions of war; Developing strategies and projects for reconstruction: infrastructural, economic, social and environmental, both during the war and in the post-war period; Estimate the costs of direct defence and security actions during the war.
How to use the acquired knowledge and skills (competencies)	The programme of the discipline is aimed at preparing applicants for research, information and analytical, organisational and managerial activities, the acquired knowledge and skills form a number of abilities to: analyse, identify and assess quantitative and qualitative changes in the country's economy and directly in the economic activities of enterprises during the war; develop projects to restore systems of institutions, processes, services and links between them; evaluate the effectiveness of projects and activities during the crisis state of hostilities; justify the directions of restoration
Information support	The information support of the discipline consists of educational and teaching-methodical materials available in the "Electronic Campus" system (https://campus.kpi.ua), the Electronic Archive of Scientific and Educational Materials of Igor Sikorsky Kyiv Polytechnic Institute - ELAKPI (https://ela.kpi.ua), the "Sikorsky" Distance Learning Platform https://www.sikorsky-distance.org), scientific articles and conference proceedings (including author's) in open access
Semester control	Exam

Discipline	Regulation of Structural Changes in the Economy
Department	Economics and Business
Educational level	Third (educational and scientific)
Year of study	2 / 3 semester
Number of ECTS credits	5 credits / 150 hours (30 hours of classroom work, 120 hours of independent work)
Language of study	English
Assumed knowledge and prerequisites	The study of this course is based on a general understanding of macroeconomic processes and the structure of the economy, as well as basic skills in economic analysis.
What will be studied?	During the study of the subject will be considered such issues as: the essence of the concept of “structural changes” and the evolution of the genesis of economic development; patterns, principles and factors that have influence for structural changes in the Ukraine economy; methods of assessing structural changes in the economy of certain regions of Ukraine under the influence of capitalization of intellectual potential; European experience in regulating structural changes in the economy and the possibility of its implementation in Ukraine; trends and dynamics of structural changes in the economy; features of the implementation of reforms in Ukraine; features of regulation of structural changes in Ukraine at the national and regional levels; development of innovation infrastructure in Ukraine.
Why it is interesting / necessary to study	The subject provides for postgraduate students the necessary knowledge for studying the conceptual apparatus, methodology and applied tools for assessing the level of structural changes in the national economic system and change the structure of the business environment; acquiring knowledge about the laws, principles and features of the formation and development of the regulating structural changes process in Ukraine; obtaining information that allows to make analyze of the preconditions and consequences of reforms that precede structural changes, as well as take the tools for effective formation and using of tools which regulate the development of enterprises, regions and national economy in conditions of dynamic changes its structure; knowledge and practical skills to develop recommendations for improving the mechanism for regulating structural changes in Ukraine.
Why you can learn (learning outcomes)	The studying of subject, students take the knowledge of theoretical and practical aspects of using the methodological apparatus and tools to assess the effectiveness of structural changes regulation in the economy of Ukraine.
How to use the acquired knowledge and skills (competencies)	Acquired knowledge and skills allow future scientists to analyze the mechanisms of domestic socio-economic environment development, determine and evaluate quantitative and qualitative economic and social parameters that characterize the level and efficiency of economic system, develop measures to improve the development of structural adjustment institutions in Ukraine according to the strategic goals of economic development.
Information support	The information support of the discipline consists of educational and teaching-methodical materials available in the "Electronic Campus" system (https://campus.kpi.ua), the Electronic Archive of Scientific and Educational Materials of Igor Sikorsky Kyiv Polytechnic Institute - ELAKPI (https://ela.kpi.ua), the "Sikorsky" Distance Learning Platform https://www.sikorsky-distance.org), scientific articles and conference proceedings (including author's) in open access
Semester control	Exam

Disciplines for graduate students to choose (4th semester, 4 credits, test)

(one component from the list)

Discipline	Experts in Teamwork
Department	International Economics
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	4 ECTS credits / 120 hours (30 hours of classroom work, 90 hours of independent work)
Language of study	English
Assumed knowledge and prerequisites	The study of this discipline requires prior knowledge of advanced management theory, organizational behavior, and leadership studies, as well as experience in interdisciplinary collaboration. It presupposes the ability to critically assess team-based research methodologies, design collaborative research projects, and apply evidence-based approaches to complex problem-solving in academic and professional environments.
What will be studied?	The following issues will be studied in detail in the classes: Groups and types of teams. Advantages and disadvantages of teamwork. Formation of teamwork: requirements, composition of participants, principles, specifics. Modern techniques and technologies for attracting employees to teamwork. Organization and planning of joint team work. Evaluation of the level of team performance and efficiency of experts. Improving the effectiveness of team work and team efficiency. Motivation of team robot workers. Expert opinion: decision-making by experts and documentation. Competences of experts in team management and competence profiles. The specifics of forming a team for examinations. Concordation of experts in the development of industry development strategies 4.0. Consolidation of experts - success in implementing effective Industry 4.0 programs. Software for conducting research, processing statistical data of examinations. Directions of formation and professional development of experts and team members. The following issues will be studied in detail in the classes: Groups and types of teams. Advantages and disadvantages of teamwork. Formation of teamwork: requirements, composition of participants, principles, specifics. Modern techniques and technologies for attracting employees to teamwork. Organization and planning of joint team work. Evaluation of the level of team performance and efficiency of experts. Improving the effectiveness of team work and team efficiency. Motivation of team robot workers. Expert opinion: decision-making by experts and documentation. Competences of experts in team management and competence profiles. The specifics of forming a team for examinations. Concordation of experts in the development of industry development strategies 4.0. Consolidation of experts success in implementing effective Industry 4.0 programs. Software for conducting research, processing statistical data of examinations. Directions of formation and professional development of experts and team members.
Why it is interesting / necessary to study	Studying this course gives students the opportunity to gain and develop skills in teamwork and diagnose problems in the management and functioning of teams, as well as to learn about modern techniques and technologies for involving experts in teamwork.
Why you can learn (learning outcomes)	Methods of analysis of the effectiveness of decisions made by team experts; methods of assessing the level of effectiveness of the team and the effectiveness of experts; principles of integration of innovation ecosystem into teams; methods of collaboration of expert teams in the professional development of experts from Industry 4.0; make effective management decisions on the specifics of professional development of experts and teamwork.
How to use the acquired knowledge and skills (competencies)	Ability to analyze various scientific concepts to develop effective management decisions in the functioning of a team of experts and to assess the economic efficiency of decisions made by the team; to form teams of experts taking into account the specifics of their activities (including international issues) and the competence profiles of its participants; select experts with professional qualities and abilities to integrate them into innovation ecosystems; increase their own efficiency as a leader or leader of a team of experts, taking into account the specifics of the formation and effective functioning of the team.
Information support	The information support of the discipline consists of educational and teaching-methodical materials available in the "Electronic Campus" system (https://campus.kpi.ua), the Electronic Archive of Scientific and Educational Materials of Igor Sikorsky Kyiv Polytechnic Institute - ELAKPI (https://ela.kpi.ua), the "Sikorsky" Distance Learning Platform https://www.sikorsky-distance.org), scientific articles and conference proceedings (including author's) in open access

Semester control	Final Test
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Discipline	Digital Transformation of the Economy
Department	Economic cybernetics
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	4 credits / 120 hours (30 hours of classroom work, 90 hours of independent work)
Language of study	English
Assumed knowledge and prerequisites	The study of this discipline is based on knowledge of current trends in world economy development and the patterns of transformational changes in the economy.
What will be studied?	The impact of digital technologies on economic processes; the essence and features of digital transformation of the economy; new business models in the context of digitalisation; the role of automation, artificial intelligence, blockchain and big data in the development of enterprises; digitalisation of the labour market and its impact on employment; digital tools in resource management; challenges of digital transformation, including cybersecurity, data protection and reducing the digital divide; analysis and implementation of digital solutions to improve the competitiveness of enterprises.
Why it is interesting / necessary to study	Understanding the basic principles and trends of digital transformation of the economy; mastering methods of analysing and assessing the impact of digital technologies on economic systems; gaining skills in working with digital platforms, automation technologies and big data analytics; developing skills to develop effective strategies for implementing digital solutions in enterprises and in economic policy.
Why you can learn (learning outcomes)	Theoretical foundations of digital transformation of the economy; methods of analysing digital solutions and their impact on the efficiency of enterprises; basics of developing digital strategies for business; skills in applying modern digital technologies in various sectors of the economy, including marketing, logistics, finance and human resources.
How to use the acquired knowledge and skills (competencies)	The acquired knowledge and skills allow future scientists to analyse and evaluate the possibilities of introducing digital technologies in business; adapt enterprises to the challenges of digital transformation; create innovative business models; develop and implement digital strategies to increase competitiveness; solve problems of resource optimisation, improve management and increase productivity in the digital economy.
Information support	The information support of the discipline consists of educational and teaching-methodical materials available in the "Electronic Campus" system (https://campus.kpi.ua), the Electronic Archive of Scientific and Educational Materials of Igor Sikorsky Kyiv Polytechnic Institute - ELAKPI (https://ela.kpi.ua), the "Sikorsky" Distance Learning Platform https://www.sikorsky-distance.org), scientific articles and conference proceedings (including author's) in open access
Semester control	Final Test

Discipline	Intellectual Resources of Economic Systems
Department	Economics and Business
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	4 credits / 120 hours (30 hours of classroom work, 90 hours of independent work)
Language of study	English
Assumed knowledge and prerequisites	The study of this course is based on a general understanding of the structure of resources, the role of intangible assets, knowledge and information in economic development, as well as basic skills in working with economic data.
What will be studied?	During the study of the subject will be considered such issues as: the essence of the concept "intellectual resources" and their specifics, the evolution of the genesis of economic systems; research the importance of intellectual resources of certain regions of Ukraine and the peculiarities of their use in modern conditions; patterns, principles and factors of influence intellectual resources on economic systems; methods for assessing the effectiveness of economic systems in conditions of uncertainty; European experience in providing intellectual resources to economic entities and the possibility of its implementation in Ukraine; trends and dynamics of economic systems development in Ukraine and tools for involvement innovation resources; the structure of economic behavior is based on the knowledge base of person, the ability to expand, improve and modernize it through integration into the existing system of information flows; capitalization of intellectual potential.
Why it is interesting / necessary to study	The subject provides necessary knowledge for learning the conceptual apparatus, methodology and applied tools for assessing the level of economic systems provision of intellectual resource by graduate students; acquisition of knowledge about the patterns and features of the formation of intellectual resources in Ukraine; obtaining information that allows to research the level of economic systems development; to gain practical skills in using methods to assess the level of intellectual resources of Ukraine, which in turn provides the formation of skills to develop effective strategies and tactics in the management of economic systems.
Why you can learn (learning outcomes)	In the process of research, the subject, students acquire knowledge of theoretical and practical aspects of using methodological apparatus and tools for assessing the level of intellectual resources of regional economic systems.
How to use the acquired knowledge and skills (competencies)	Acquired knowledge and skills allow future scientists to analyze, determine and evaluate quantitative and qualitative economic and social parameters that characterize the level of intellectual resources of economic systems, evaluate the results of formation and using intellectual resources based on economic systems.
Information support	The information support of the discipline consists of educational and teaching-methodical materials available in the "Electronic Campus" system (https://campus.kpi.ua), the Electronic Archive of Scientific and Educational Materials of Igor Sikorsky Kyiv Polytechnic Institute - ELAKPI (https://ela.kpi.ua), the "Sikorsky" Distance Learning Platform https://www.sikorsky-distance.org), scientific articles and conference proceedings (including author's) in open access
Semester control	Final Test

Disciplines for graduate students to choose (4th semester, 5 credits, exam)

(one component from the list)

Discipline	Integration Processes in International Research
Department	International Economics
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	5 credits / 150 hours (30 hours of classroom work, 120 hours of independent work)
Language of study	English
Assumed knowledge and prerequisites	The study of the discipline presupposes advanced knowledge of international economics theory, regional economic integration, global governance, and the institutional transformation of the world economy. It requires the ability to independently analyze integration processes, assess transnational economic interactions, and formulate original scientific conclusions.
What will be studied?	The following issues will be studied in detail during the training sessions: Scientific, technical and innovation policy of countries as an integration tool. Legislative support for scientific, technical and innovation activities. Transformation of international scientific cooperation in the context of globalization. Development and development of research infrastructure. Joint research networks. Landscape for the development of open science and innovation. Development of the European Research Area (ERA). Formation of interaction with scientific communities and civil society. Development of European partnerships.
Why it is interesting / necessary to study	The course will be useful to all those who intend to acquire knowledge about integration processes in international research in order to find and/or form international partnerships for joint scientific research and further commercialization of completed projects.
Why you can learn (learning outcomes)	Assess strategies for developing research potential in different groups of countries; Implement methods of open coordination and partnership management in research initiatives; Assess trends in the development of the European Research Area (ERA) and its implications for international cooperation; Identify and assess trends in social activity and interaction related to the implementation of scientific research; Analyse and use legislation regulating the transfer of technology and knowledge in order to improve research activities; Develop and implement models of innovative economic development that contribute to integration processes; Participate in international research training programs to promote cooperation; Assess mechanisms of state support for scientific and innovative activities at enterprises; Assess the volume of funding for international joint research projects and determine sources of their involvement.
How to use the acquired knowledge and skills (competencies)	Ability to determine the role and place of national innovation systems in integration processes; Ability to evaluate innovation policy in national and international contexts; Ability to navigate and interpret legislation related to scientific, technical and innovative activities at both the national and international levels; Ability to assess the effectiveness of intellectual property rights protection in stimulating innovation; Ability to understand the forms of interaction and integration of science and education; Ability to assess the position and potential of Ukraine in the European research space. Ability to understand the essence and role of research infrastructure in promoting scientific research and innovation. Ability to conduct case studies on successful international research cooperation initiatives. Ability to understand and implement the principles of the Open Science and Open Innovation paradigms in research practice. Ability to understand the functioning of European partnerships as policy instruments for research and innovation.
Information support	The information support of the discipline consists of educational and teaching-methodical materials available in the "Electronic Campus" system (https://campus.kpi.ua), the Electronic Archive of Scientific and Educational Materials of Igor Sikorsky Kyiv Polytechnic Institute - ELAKPI (https://ela.kpi.ua), the "Sikorsky" Distance Learning Platform https://www.sikorsky-distance.org), scientific articles and conference proceedings (including author's) in open access
Semester control	Exam

Discipline	Economic and Mathematical Modelling of Research Space Objects
Department	Economic cybernetics
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	5 ECTS credits / 150 hours (30 hours of classroom work, 120 hours of independent work)
Language of study	English
Assumed knowledge and prerequisites	The study of this discipline is based on basic knowledge of economic analysis and proficiency in neoclassical modeling tools for economic processes.
What will be studied?	The applicant has the opportunity to gain knowledge and experience in technologies for building solutions to models describing processes in the objects of the research space, management and their qualitative analysis, knowledge and skills sufficient to generate new ideas, solve complex problems in the professional field, the ability to solve complex economic problems in professional activities or in the process of study.
Why it is interesting / necessary to study	The need of the hour is to train specialists of a new quality - able to think creatively, quickly navigate the modern saturated information space, make non-standard decisions, learn and develop throughout life. The formation of such a technology is largely based on computer modelling of various processes necessary for human life, determining their advantages and disadvantages, carrying out thematic and cross-cutting analysis of results and data, as well as visualisation, which is one of the important components of this process.
Why you can learn (learning outcomes)	In the course of studying the discipline, students will learn: to study objects related to the research space; theoretical provisions for determining the types of research space; technologies for building solutions to models describing processes in research space objects, management and their qualitative analysis; technologies and methods for conducting complex applied research on various objects of the research space.
How to use the acquired knowledge and skills (competencies)	In the process of studying the discipline, students will acquire knowledge and be able to: synthesise the key characteristics of economic systems of different levels and analyse the behaviour of their subjects; create economic and mathematical models that describe the behaviour of objects of the research space; conduct applied research in socio-economic systems in which there is a research, using modern and reliable input information, as well as original methods of analysis.
Information support	The information support of the discipline consists of educational and teaching-methodical materials available in the "Electronic Campus" system (https://campus.kpi.ua), the Electronic Archive of Scientific and Educational Materials of Igor Sikorsky Kyiv Polytechnic Institute - ELAKPI (https://ela.kpi.ua), the "Sikorsky" Distance Learning Platform https://www.sikorsky-distance.org), scientific articles and conference proceedings (including author's) in open access
Semester control	Exam

Discipline	Modern Models and Mechanisms of Economic Development
Department	Economics and Business
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	5 credits / 150 hours (30 hours of classroom work, 120 hours of independent work)
Language of study	English
Assumed knowledge and prerequisites	The study of the course is grounded in developed competencies in the analysis of economic dynamics, structural transformations in the economy, and the interpretation of socio-economic processes.
What will be studied?	Types of models of economic development of national economy, conceptual approaches to investment model of economic development, conceptual approaches of model "knowledge economy", model of accelerated economic growth, model of catching up economic growth, model of sustainable development, model of competitive economy, national models of economic development business models of the enterprise, general characteristics of the business model of the enterprise, approaches to the formation of the business model of enterprise development
Why it is interesting / necessary to study	The history of development of the countries of the world and their business testifies to use of various set of models and mechanisms which have allowed to reach an existing state of development. The ability to analyze the models of economic development of national economies and the corresponding models of enterprise development forms in potential scientists a systematic vision of development tools and ways to use them in macro and micro systems.
Why you can learn (learning outcomes)	In the process of studying the discipline students master the knowledge of a systematic approach to the analysis of models of economic systems of macro-, meso-, micro-level, theoretical foundations and patterns of economic development and relevant forms and tools for its provision
How to use the acquired knowledge and skills (competencies)	Acquired knowledge and skills allow future scientists to analyze the mechanisms of economic systems and business models of the enterprise, generalize the dominants of economic development and choose appropriate models for their implementation, to form mechanisms in accordance with strategic goals of economic development, to form business models.
Information support	The information support of the discipline consists of educational and teaching-methodical materials available in the "Electronic Campus" system (https://campus.kpi.ua), the Electronic Archive of Scientific and Educational Materials of Igor Sikorsky Kyiv Polytechnic Institute - ELAKPI (https://ela.kpi.ua), the "Sikorsky" Distance Learning Platform https://www.sikorsky-distance.org), scientific articles and conference proceedings (including author's) in open access.
Semester control	Exam