

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

F-CATALOG
SELECTED EDUCATIONAL DISCIPLINE
CYCLE OF PROFESSIONAL TRAINING
for applicants PhD degree
under the educational program "International Economics"
in specialty 051 "Economics"
(entry 2023 and 2024 year)

APPROVED:

Methodical council
Igor Sikorsky Kyiv Polytechnic Institute
(protocol № 5 from "29" 02. 2024)

FMM Academic Council
Igor Sikorsky Kyiv Polytechnic Institute
(protocol № 7 from "26" 02. 2024)

Kyiv – 2024

INFORMATION FOR APPLICANTS

We bring to your attention the F-catalog for the selection of selective educational components of the educational and scientific program "Economics", the educational degree "Doctor of Philosophy".

According to Section X of Article 62 of the Law of Ukraine "On Higher Education" (№ 1556-VII of 01.07.2014), Elective courses - disciplines of free choice of students for a certain level of higher education, aimed at providing general and special (professional) competencies for specialty. The volume of elective courses is at least 25% of the total number of ECTS credits provided for this level of education, aimed at ensuring general and special (professional) competencies for specialty. The volume of optional academic disciplines is at least 25% of the total number of ECTS credits provided for this level of education.

Regulations on the Individual curriculum of a student of Igor Sikorsky Kyiv Polytechnic Institute establishes that students are obliged to choose elective courses using the specialized information system of the University (<https://my.kpi.ua/>)

The process for applicants to choose their academic disciplines is preceded by their familiarization with the order, terms, and features of registration for study of the suggested academic disciplines as well as the requirements for setting up educational groups or streams for studying specific academic disciplines from the F-Catalogue.

Annotated lists of the disciplines are provided in the catalog (F-Catalog) for applicants (postgraduate students) of the third (educational and scientific) level of higher education to choose from in accordance with the curriculum (according to which they entered the study) for the upcoming academic year.

According to the Regulation on the Individual Study Plan of the Student of Igor Sikorsky Kyiv Polytechnic Institute, the outcomes of the student's selection of academic courses are mentioned in his Individual Study Plan in the section "Selected Disciplines".

The applicant's personalized study plan must cover all the academic subjects they wish to study.

For some disciplines, there is a limit to the number of students that can be offered. In these cases, the name of the discipline indicates the target audience (for graduate students або) or the number of places (up to... graduate students). In the process of choosing a discipline, please take into account these features.

All aspects of the exercise of the graduate student's right to choose disciplines can be found in the Regulations on the procedure for exercising the right to freely choose disciplines (<https://osvita.kpi.ua/node/185>).

F-Catalog

Code	Cipher components (OK)	Semester	Selective educational components	Number of credits
The total number of credits for the spring semester of 2024–2025's selective educational components is 4 credits (one component from the list)				
IIB 01	Selective educational component 1 F-Catalog	2	Experts in teamwork	4
		2	Team work and expert activity	4
		2	Modeling the interaction of economic agents	4
		2	Communicative economics	4
		2	Regulation of structural changes in the economy	4
2	Intellectual resources of economic systems	4		
The total number of credits for the autumn semester of 2024–2025's selective educational components is 5 credits (one component from the list)				
IIB 02	Selective educational component 2 F-Catalog	3	Economic Theories of Nobel Laureates	5
		3	Modern economic theories	5
		3	Applied modeling of research space objects	5
		3	Adaptive economics	5
		3	Human capital management in Industry 4.0	5
		3	Modern models and mechanisms of economic development	5
3	Current problems of the economy in the global environment	5		
The total number of credits for the spring semester of 2024–2025's selective educational components is 5 credits (one component from the list)				
IIB 03	Selective educational component 3 F-Catalog	4	Mechanisms of integration into the international research space	5
		4	Integration processes in international research	5
		4	Innovation Management and Product Development of Transnational Corporations	5
		4	Strategic potential of economic development	5
		4	Economic and mathematical models of economic policy implementation	5
		4	Economic and mathematical modeling of resource allocation and provision	5
		4	Institutional analysis of economic development	5
4	Situational analysis in economics	5		

**Disciplines for first-year graduate students to choose (2nd semester)
ED "Doctor of Philosophy", in the amount of 4 credits (120 hours).
according to the curriculum of the 2024 entry program**

Educational disciplines of the F-Catalog - 4 credits (120 hours) each (one component from the list)
<i>1. Experts in teamwork</i>
<i>2. Team work and expert activity</i>
<i>3. Modeling the interaction of economic agents</i>
<i>4. Communicative economics</i>
<i>5. Regulation of structural changes in the economy</i>
<i>6. Intellectual resources of economic systems</i>

**Disciplines for second-year graduate students to choose (3rd semesters)
ED "Doctor of Philosophy", in the amount of 5 credits (150 hours).
according to the curriculum of the 2023 entry program**

Educational disciplines of the F-Catalog - 5 credits (150 hours) each (one component from the list)
<i>1. Economic Theories of Nobel Laureates</i>
<i>2. Modern economic theories</i>
<i>3. Applied modeling of research space objects</i>
<i>4. Adaptive economics</i>
<i>5. Human capital management in Industry 4.0</i>
<i>6. Modern models and mechanisms of economic development</i>
<i>7. Current problems of the economy in the global environment</i>

**Disciplines for second-year graduate students to choose (4th semesters)
ED "Doctor of Philosophy", in the amount of 5 credits (150 hours).
according to the curriculum of the 2023 entry program**

Educational disciplines of the F-Catalog - 5 credits (150 hours) each (one component from the list)
<i>1. Mechanisms of integration into the international research space</i>
<i>2. Integration processes in international research</i>
<i>3. Innovation Management and Product Development of Transnational Corporations</i>
<i>4. Economic and mathematical models of economic policy implementation</i>
<i>5. Economic and mathematical modeling of resource allocation and provision</i>
<i>6. Strategic potential of economic development</i>
<i>7. Institutional analysis of economic development</i>
<i>8. Situational analysis in economics</i>

Disciplines for first-year graduate students to choose (2nd semester)

(one component from the list)

Discipline	<i>Experts in teamwork</i>
Department	International Economics
Educational level	Third (educational and scientific)
Year of study	1 / 2 semester
Number of ECTS credits	4 ECTS credits / 120 hours
Language of study	English
Assumed knowledge and prerequisites	Prerequisite for studying the discipline are normative disciplines: "Fundamentals of Economic Theory", "Fundamentals of Research", "Management", "Work Motivation", "Change Management and Business Transformation", "Business Economics", "Economics and Personnel Management".
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	Syllabus of the initial discipline, rating system of assessment, presentations of lectures and trainings, textbook, information resources, distance learning course.
Semester control	Test

Discipline	<i>Team work and expert activity</i>
Department	International Economics
Educational level	Third (educational and scientific)
Year of study	1 / 3 semester
Number of ECTS credits	4 ECTS credits /120 hours
Language of study	English
Assumed knowledge and prerequisites	Prerequisite for studying the discipline are normative disciplines: "Fundamentals of Economic Theory", "Fundamentals of Research", "Management", "Work Motivation", "Change Management and Business Transformation", "Business Economics", "Economics and Personnel Management".
What will be studied?	The following issues will be studied in detail: Objectives, functions, format of the production task and team decision-making. Leaders and highly qualified employees. Team management leadership styles. Groups and types of teams. Teamwork: advantages and disadvantages. 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	The course will be useful for anyone who wants to understand the specifics of the work and interaction of experts in teams, have the skills to form teams of experts (taking into account their competence profiles) and expert decision-making and documentation.
Why you can learn (learning outcomes)	principles of teamwork formation: requirements, composition of participants, taking into account competence profiles; the main provisions of the documentation of examinations and expert opinion; features of the selection of the necessary software for team research and processing of statistical data of examinations; methods of assessing the level of team performance and team collaboration in the professional development of experts from Industry 4.0; features of professional development of experts and employees of team work.
How to use the acquired knowledge and skills (competencies)	Acquired knowledge and skills allow future scientists to analyze the economic efficiency of team decisions; to form teams of experts taking into account the specifics of their activities and the competency profiles of its participants; select experts with professional qualities and abilities to integrate them into innovation ecosystems; increase their own effectiveness as a leader or leader of a team of experts understanding the specifics of the formation and effective functioning of the team.
Information support	Syllabus of the initial discipline, rating system of assessment, presentations of lectures and trainings, textbook, information resources, distance learning course.
Semester control	Test

Discipline	<i>Modeling the interaction of economic agents</i>
Department	Economic cybernetics
Educational level	Third (educational and scientific)
Year of study	1 / 2 semester
Number of ECTS credits	4 ECTS credits /120 hours
Language of study	English
Assumed knowledge and prerequisites	The course is based on the knowledge gained in the study of the following disciplines: "Change Management and Business Transformation", "World Economy".
What will be studied?	-theoretical bases of analysis, modeling and forecasting of development of economic objects and processes at macro-, meso- and microeconomic levels; -tools for building economic and mathematical models for the study of socio-economic processes; -methodologies for assessing the performance of economic entities. apply appropriate economic and mathematical methods and models to solve economic problems;
Why it is interesting / necessary to study	Theoretical generalizations are made and the solution of the important scientific problem which consists in development of economic and mathematical models of interaction of economic agents taking into account new actual factors and processes is offered.
Why you can learn (learning outcomes)	It is necessary to form students' systems of knowledge, skills and abilities in methodology, methods and tools of economic and mathematical modeling of economic processes of functioning and development of business structure based on the use of new computer technologies and teaching methods: mastering the theoretical foundations of economic and mathematical models experiments; formation of knowledge about the formation, operation and development of management decision support systems; acquisition of the necessary skills in the field of building systems of models and algorithms for finding optimal management solutions; acquisition of practical skills in the use and adaptation of modern tools for optimizing management decisions in a particular subject area; expanding the skills and abilities of students to identify, analyze, study the course of economic processes in the business structure and the formation of appropriate management decisions for its development on the basis of building various economic and mathematical models.
How to use the acquired knowledge and skills (competencies)	Economic systems studied by modern economics are difficult to study only by ordinary (verbal) theoretical methods. Direct experiment on them is almost impossible. The price of errors and miscalculations is high, so economic and mathematical modeling is an inevitable component of scientific and technological progress. When building models, economists identify significant factors that are important for the studied economic object, system, process, and try to reject (ignore) details that are irrelevant to solve the problem, the objectives of the study. Formalization of the main features of the functioning of economic facilities allows you to assess the possible consequences of their impact and use the results in the analysis, decision-making, management.
Information support	Syllabus, RSE, lecture notes, methodical recommendations for practical classes, lecture presentations
Semester control	Test

Discipline	<i>Communicative economics</i>
Department	Economic cybernetics
Educational level	Third (educational and scientific)
Year of study	1 / 2 semester
Number of ECTS credits	4 ECTS credits /120 hours
Language of study	English
Assumed knowledge and prerequisites	The discipline is based on the knowledge obtained during the study of the following disciplines : "Philosophical foundations of scientific activity", "World economy", "Neoclassical models of economic processes"
What will be studied?	During the study of the discipline, such topics as: theoretical and methodological foundations of the communicative economy, communicative competence and communicative processes in business, communicative leadership, destructive communication and methods of conflict management, professional ethics and etiquette in the communicative economy will be considered.
Why it is interesting / necessary to study	The modern world is connected with the growth of technologies and network means of communication. In this context, the study of the communication economy helps to understand how these technologies affect the economy and business. The discipline is intended for students to form a system of complex theoretical and applied knowledge in understanding the peculiarities of the application of micro- and macroeconomic principles for economically effective communication, organization and achievement of clearly defined goals of the organization's development.
Why you can learn (learning outcomes)	In the process of studying the discipline, students will acquire knowledge and skills and will be able to: find optimal communicative models in accordance with communicative intentions; organize and carry out effective communications within the team and with representatives of various professional groups; choose optimal options and design internal communication systems taking into account internal and external factors of influence; use information resources of computer technologies to organize the communication process.
How to use the acquired knowledge and skills (competencies)	The discipline program is aimed at preparing applicants for research, information-analytical, organizational-management activities, the acquired knowledge and skills form a number of abilities to: independently generate creative ideas, perform original scientific research and implement its innovative results into professional practice; effective communication , taking into account the characteristics of people's behavior in professional and scientific activities; formation of rational economic relations and establishment of communication links at all hierarchical levels; identifying and using communicative competences in the business environment.
Information support	The information support of the discipline consists of a syllabus , lecture presentations posted in the "Electronic Campus " system (https://campus.kpi.ua), educational and methodological materials posted in the "Electronic Campus " system, the Electronic Archive of Scientific and Educational Materials of KPI named after Igor Sikorsky - ELAKPI (https://ela.kpi.ua).
Semester control	Test

Discipline	<i>Regulation of structural changes in the economy</i>
Department	Economics and entrepreneurship
Educational level	Third (educational and scientific)
Year of study	1/ 2 semester
Number of ECTS credits	4 credits / 120 hours
Language of study	Englisg
Assumed knowledge and prerequisites	The subject is based on the main conditions of the subjects “Organization of scientific and innovative activities”, “Theory of analysis of economic systems”, “Economic dimension of sustainable development”, “Economic diagnostics”. At the same time, the subject "Regulation of structural changes in the economy" provides such subjects of professional research of graduate students as “Modeling of interaction with other economic entities”, “Institutional analysis of economic development”, “Situational analysis in the economy”, “Resource development of enterprises non-stationary economy”.
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 studding 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	Syllabus, rating system of assessment, lecture notes, guidelines for practical classes, guidelines for independent work of students, presentation materials of lectures.
Semester control	Test

Discipline	<i>Intellectual resources of economic systems</i>
Department	Economics and entrepreneurship
Educational level	Third (educational and scientific)
Year of study	1/ 2 semester
Number of ECTS credits	4 credits / 120 hours
Language of study	English
Assumed knowledge and prerequisites	The subject is based on the main conditions of the subjects “Organization of scientific and innovative activities”, “Theory of analysis of economic systems”, “Economic dimension of sustainable development”, “Economic diagnostics”. At the same time, the subject "Regulation of structural changes in the economy" provides such subjects of professional research of graduate students as “Modeling of interaction with other economic entities”, “Institutional analysis of economic development”, “Situational analysis in the economy”, “Resource development of enterprises non-stationary economy”.
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	Syllabus, rating system of assessment, lecture notes, guidelines for practical classes, guidelines for independent work of students, presentation materials of lectures.
Semester control	Test

Disciplines for second-year graduate students to choose (3rd semesters)

(one component from the list)

Discipline	<i>Economic Theories of Nobel Laureates</i>
Department	International Economics
Educational level	Third (educational and scientific)
Year of study	2 / 3 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	Prerequisite for the study of the discipline are normative disciplines: "Philosophical principles of scientific activity", "World Economy", "Neoclassical models of economic processes", "Organization of scientific and innovative activities".
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	Syllabus, rating system of assessment, textbook, lecture notes, guidelines for practical classes, guidelines for independent work of students, Glossary, presentation materials of lectures.
Semester control	Test

Discipline	<i>Modern economic theories</i>
Department	International Economics
Educational level	Third (educational and scientific)
Year of study	2/ 3 semester
Number of ECTS credits	5 credits /150 hours
Language of study	English
Assumed knowledge and prerequisites	Prerequisite for the study of the discipline are normative disciplines: "Philosophical principles of scientific activity", "World Economy", "Neoclassical models of economic processes", "Organization of scientific and innovative activities".
What will be studied?	The following issues will be studied in detail in the training sessions: Economic theory at the present stage of development. Modern macroeconomic theories. Modern theories of microeconomic analysis. Modern theories of world economy and globalization. Methodological role of economic theory in the development of applied economic sciences. Modern theories of money and finance.
Why it is interesting / necessary to study	The course will be useful to all those who intend to: get a foundation for further writing a dissertation, as well as to form a systematic understanding of economic processes in the world, which will contribute to a more balanced and sound implementation of theoretical and analytical part of the dissertation.
Why you can learn (learning outcomes)	-to choose and use appropriate methods, tools to justify economic decisions; -to assessment of market conditions and performance in various fields; -to apply innovative approaches in the activities of various structures.
How to use the acquired knowledge and skills (competencies)	Ability to use professional knowledge and practical skills in the field of modern economic theories in order to understand them and use scientific, intellectual, industrial, information potential in the analysis of modern economic situations and their consequences for society.
Information support	Syllabus, rating system of assessment, textbook, lecture notes, guidelines for practical classes, guidelines for independent work of students, Glossary, presentation materials of lectures.
Semester control	Test

Discipline	<i>Applied modeling of research space objects</i>
Department	Economic cybernetics
Educational level	Third (educational and scientific)
Year of study	2 / 3 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	The discipline is based on the knowledge received at studying of the following disciplines: "Models of world dynamics"
What will be studied?	The applicant has the opportunity to gain knowledge and experience in technologies for solving models describing processes in the objects of research space, management and their qualitative analysis, knowledge and skills sufficient to produce new ideas, solving complex problems in the professional field, ability to solve to connect complex economic problems and problems in professional activity or in the course of training.
Why it is interesting / necessary to study	The requirement of time is the training of specialists of new quality - able to think creatively, quickly navigate in today's rich information space, make non-standard decisions, learn and develop throughout life. The formation of such technology is largely based on computer modeling of various processes necessary for human life, identifying their advantages and disadvantages, thematic and cross-cutting analysis of results and data, as well as visualization, which is an important component of this process.
Why you can learn (learning outcomes)	Explore objects related to the research space. Theoretical provisions for determining the types of research space. Technologies for building solutions of models describing processes in the objects of research space, management and their qualitative analysis. Technologies and methods of conducting complex applied research on various objects of research space.
How to use the acquired knowledge and skills (competencies)	Synthesize the key characteristics of economic systems of different levels and analyze the behavior of their subjects. Create economic and mathematical models that describe the behavior of objects in the research space. Do applied research in socio-economic systems in which there is research, using modern and reliable input information, as well as original methods of analysis.
Information support	Syllabus, RSE, lecture notes, methodical recommendations for practical classes, lecture presentations
Semester control	Test

Discipline	<i>Adaptive economics</i>
Department	Economic cybernetics
Educational level	Third (educational and scientific)
Year of study	2 / 3 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	The prerequisite for the study of the academic discipline is the normative academic disciplines: "Philosophical foundations of scientific activity", "World economy", "Neoclassical models of economic processes", "Organization of scientific and innovative activity".
What will be studied?	The structure of the discipline is revealed in the following topics: methodological aspects of adaptive economy in modern transformational conditions; regulation of the economy as the basis of its adaptation to the permanent transformations of modernity; management of digitization in the conditions of an adaptive economy; adaptive rationality and economic behavior in an evolutionary context; theory of adaptive expectations; system of adaptive management of the enterprise in conditions of uncertainty; economic security of the enterprise in the conditions of an adaptive economy; forecasting the activity of enterprises using adaptive models.
Why it is interesting / necessary to study	Currently, adaptability is a key feature of the economy, which characterizes its ability to develop, actively adapting to changing exogenous and endogenous conditions. The adaptability of the economy depends on the ability of economic agents to analyze and control environmental conditions, identify market opportunities, assess risks and adequately respond to them. The discipline is designed to expand and deepen theoretical knowledge and skills regarding the methodological aspects of adaptive economics in modern transformational conditions at the macro level and applied skills regarding adaptive management at the micro level for the formation of research skills and solving economic problems in conditions of uncertainty.
Why you can learn (learning outcomes)	In the process of studying the discipline, applicants will get acquainted with the main principles, methods and characteristics of the adaptation of the economic system at the macro and micro levels; to learn : to identify and evaluate the impact of exogenous and endogenous transformational factors on the formation of an adaptive economy model; to investigate the impact of economic crises on the adaptation of the country's economic system; contribute to the process of adaptation of enterprises in dynamic, changing business conditions.
How to use the acquired knowledge and skills (competencies)	In the process of studying the discipline, students will acquire knowledge and will be able to: apply the acquired knowledge of adaptive economy to manage the processes of the enterprise; choose the most optimal measures aimed at accelerating the process of adaptation of economic agents to changing economic conditions; forecast the activities of enterprises using adaptive models; justify economic decisions based on an understanding of the patterns of adaptation of economic systems using the methodological tools of modern science.
Information support	The information support of the discipline consists of a syllabus , lecture presentations posted in the "Electronic Campus " system (https://campus.kpi.ua), educational and methodological materials posted in the "Electronic Campus " system, the Electronic Archive of Scientific and Educational Materials of KPI named after Igor Sikorsky - ELAKPI (https://ela.kpi.ua).
Semester control	Test

Discipline	<i>Human capital management in Industry 4.0</i>
Department	Economic cybernetics
Educational level	Third (educational and scientific)
Year of study	2 / 3 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	Prerequisite for the study of the discipline are normative disciplines: "Fundamentals of Research", "Theory of Analysis of Economic Systems", "Change Management and Business Transformation", "Mathematical Methods in Economics", "Business Economics", "Economics and Personnel Management".
What will be studied?	The following issues will be studied in detail in the training sessions: Conceptual bases of human capital management in Industry 4.0. Planning and attracting human capital in the face of transformational change. Areas of application of human capital management methods in the context of technological change. Formation of human capital management strategy. Indicators of human capital development. Perspective directions of development of human capital management in the conditions of digitalization of economy
Why it is interesting / necessary to study	The development of innovative economy, knowledge economy and the formation of the information society are impossible without the main productive factor of economic development as human capital. Studying this course provides students with the opportunity to gain and develop skills of analysis and diagnosis of human capital management in Industry 4.0, modern methods of solving human capital management, as well as get acquainted with modern specifics of human capital management in technological change.
Why you can learn (learning outcomes)	-to analyze scientific achievements (facts, concepts, principles and theories) in the field of human capital management research in a transformational environment; -to develop and implement research projects and human capital management programs aimed at improving the economic efficiency of economic entities; -to make effective integrated decisions on human capital management in Industry 4.0.
How to use the acquired knowledge and skills (competencies)	Ability to analyze various scientific concepts to develop effective management decisions regarding human capital at both micro and macro levels; apply scientific methods to justify management decisions regarding the use of human capital in economic policy development in Industry 4.0 .; to conduct relevant research in order to deepen scientific achievements in the field of human capital management in the context of technological change; develop a strategy for human capital management at various levels, taking into account trends in socially-oriented economy and Industry 4.0.
Information support	Syllabus, rating system of assessment, textbook, lecture notes, guidelines for practical classes, guidelines for independent work of students, Glossary, presentation materials of lectures.
Semester control	Test

Discipline	<i>Modern models and mechanisms of economic development</i>
Department	Economics and Entrepreneurship
Educational level	Third (educational and scientific)
Year of study	2 / 3 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	The course is based on the knowledge gained in the study of the following disciplines: "Economic Theory", "Business Economics"
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	Syllabus, RSE, lecture notes, methodical recommendations for practical classes, lecture presentations
Semester control	Test

Discipline	<i>Current problems of the economy in the global environment</i>
Department	Economics and Entrepreneurship
Educational level	Third (educational and scientific)
Year of study	2 / 3 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	The course is based on the knowledge gained in the study of the following disciplines: "Economic Theory", "Economics of the enterprise"
What will be studied?	Problems of world economy and modern tendencies of its development, macroeconomic problems of modern economy, problems of social sphere, ecological problems of industrial development, problems of agro-industrial complex in modern economy, problems of ensuring energy independence of Ukraine, actual problems of business development in Ukraine, financing of enterprises, economic security
Why it is interesting / necessary to study	Assessment of current trends in economic development allows to identify the causes and factors influencing the formation of trends of loss of stability and efficiency of economic systems, which provides scientists with information about sources of potential economic losses, and on this basis to develop proposals and develop appropriate economic tools to solve current economic problems
Why you can learn (learning outcomes)	In the process of studying the discipline, scientists acquire knowledge of a systematic approach to the analysis of major trends and prospects for the development of economic systems at the macro, meso, micro level; theoretical foundations and patterns of economic functioning, including transition processes; principles of making and implementing economic and managerial decisions
How to use the acquired knowledge and skills (competencies)	Acquired knowledge and skills allow future scientists to identify problems of an economic nature in the analysis of specific situations, suggest ways to solve them and evaluate the expected results; systematize and summarize information, prepare references and reviews on professional activities, edit, review, review texts; use basic and special methods of economic analysis of information in the field of professional activity; develop and justify options for effective solutions; critically evaluate the behavior of economic agents, development trends of economic objects.
Information support	Syllabus, RSE, lecture notes, methodical recommendations for practical classes, lecture presentations
Semester control	Test

Disciplines for second-year graduate students to choose (4rd semesters)

(one component from the list)

Discipline	<i>Mechanisms of integration into the international research space</i>
Department	International Economics
Educational level	Third (educational and scientific)
Year of study	2/ 4 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	Prerequisite for the study of the discipline are normative disciplines: "Philosophical principles of scientific activity", "World Economy", "Neoclassical models of economic processes", "Organization of scientific and innovative activities".
What will be studied?	The following issues will be studied in detail in the classes: the processes of international movement of capital, labor and technology; functioning of the world currency market and its structure; features of the functioning of research centers and research institutions; mechanisms of cooperation of international research groups; formation of transnational research structures; funding mechanisms for joint international research and applied projects; Ukraine in the international research space.
Why it is interesting / necessary to study	The course will be useful for all those who intend to acquire knowledge about the functioning of integration mechanisms in the international research space, the possibility of implementing the developed technology in foreign markets in international cooperation, the peculiarities of funding research projects and groups, the peculiarities of currency and customs operations. cooperation of research groups from different countries.
Why you can learn (learning outcomes)	<ul style="list-style-type: none"> - master the theoretical foundations and practical skills of integration in the international research space; - to present the main mechanisms of integration of organizations in the international research space; - to determine the possibilities of commercialization of the developed technology on the foreign markets of scientific and technical products in the conditions of international cooperation; - identify features and use funding opportunities for research projects and groups from external sources; - compile documents for the formation of scientific and research groups in order to integrate into the international research space..
How to use the acquired knowledge and skills (competencies)	Ability to use professional knowledge and practical skills in the field of integration of scientific and research organizations in the international research space in order to use scientific, intellectual, industrial, information potential in the process of international scientific and technical cooperation.
Information support	Syllabus, rating system of assessment, textbook, lecture notes, guidelines for practical classes, guidelines for independent work of students, Glossary, presentation materials of lectures.
Semester control	Test

Discipline	<i>Integration processes in international research</i>
Department	International Economics
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	Prerequisite for the study of the discipline are normative disciplines: "Philosophical principles of scientific activity", "World Economy", "Neoclassical models of economic processes", "Organization of scientific and innovative activities".
What will be studied?	The following issues will be studied in detail in the training sessions: integration processes in the international economy; structure of the international research community; international movement of capital, labor and technology; conducting international settlements and currency transactions; features of the functioning of research communities; identification of stages of integration into international research groups; analysis of the life cycle of research structures in the international space; mechanisms for financing international projects; integration of Ukraine in the international research space.
Why it is interesting / necessary to study	The course will be useful for all those who intend to master the knowledge of integration processes in the international research community, the possibilities of commercialization of technology development in foreign technology markets in international scientific and technical cooperation, the peculiarities of research funding, methods of foreign exchange and customs payments.
Why you can learn (learning outcomes)	<ul style="list-style-type: none"> - to master the theoretical principles of integration processes and practical skills of using the principles of integration in order to develop science and technology in a particular country; - to get acquainted with the main stages of integration processes of scientific and research organizations in the international research community; - to determine the possibilities of commercialization of the developed technology in the international markets of scientific and technical products in the conditions of integration; - identify features and use funding opportunities for research projects and groups from external sources; - to form documents for the creation of a scientific and research group in order to integrate into the international research space.
How to use the acquired knowledge and skills (competencies)	Ability to use professional knowledge and practical skills in the field of integration of scientific and research organizations in the international research community in order to use the scientific, educational, intellectual and industrial potential of the country in the process of integration into the international research community.
Information support	Syllabus, rating system of assessment, textbook, lecture notes, Guidelines for practical classes, Guidelines for independent work of students, Glossary, presentations
Semester control	Test

Discipline	Innovation Management and Product Development of Transnational Corporations
Department	International Economics
Educational level	Third (educational and scientific)
Year of study	2 / 4 semestr
Number of ECTS credits	5 of ECTS credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	A prerequisite for studying the discipline are normative academic disciplines: "Philosophical foundations of scientific activity", "World economy", "Neoclassical models of economic processes", "Organization of scientific and innovative activity".
What will be studied	The following issues will be studied in detail in the classes: innovations in the international research space; TNC's innovation management; peculiarities of functioning of research centers and scientific institutions; cooperation mechanisms of international research groups; formation of transnational research structures; financing mechanisms for joint international scientific and applied projects; transformations in the consumption of goods under the influence of Industry 4.0 principles; mechanisms of integration of individual TNCs into the international research space; prospects and opportunities for international scientific cooperation in the field of innovation and product development; practical use of scientific developments and innovative solutions in the production of TNC's products, sectoral features of TNC's product development; the impact of crisis phenomena on the development process of TNC's products
Why it is interesting / necessary to study	The course will be useful for anyone who wants to understand the role of integration processes in the innovation policy of TNCs, and the possibilities of selling developed products on foreign markets in conditions of international cooperation, as well as the peculiarities of financing research projects and groups, and know more about the peculiarities of currency and customs operations in the cooperation of research groups from different countries
Why you can learn (learning outcomes)	to propose new solutions; to develop scientific projects that provide an opportunity to rethink the existing and create new integral knowledge and/or professional practice and solve significant both fundamental and applied problems of economic science, taking into account social, economic, environmental and legal aspects; to ensure the commercialization of scientific research results and the observance of intellectual property rights during product development
How to use the acquired knowledge and skills (competencies)	Identify, in-depth analysis and solve problems of a research nature in the field of new product development, taking into account economic risks and possible socio-economic consequences, evaluate and ensure the quality of the performed research; initiate, develop and implement complex innovative projects in the economy, show leadership and responsibility during their implementation; commercialize the results of scientific research and ensure compliance with intellectual property rights during product development
Information support	Syllabus, RSE, lecture presentations, textbooks, scientific articles, information resources with databases
Semester control	Test

Discipline	<i>Strategic potential of economic development</i>
Department	Economic cybernetics
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	The prerequisite for studying is the mastery of learning outcomes in the following disciplines: "World Economy", "Neoclassical Models of Economic Processes", "Change Management and Business Transformation"
What will be studied?	The structure of the discipline is revealed in the following topics: methodological aspects of adaptive economy in modern transformational conditions; regulation of the economy as the basis of its adaptation to the permanent transformations of modernity; management of digitization in the conditions of an adaptive economy; adaptive rationality and economic behavior in an evolutionary context; theory of adaptive expectations; system of adaptive management of the enterprise in conditions of uncertainty; economic security of the enterprise in the conditions of an adaptive economy; forecasting the activity of enterprises using adaptive models.
Why it is interesting / necessary to study	Activation of the strategic potential of economic development at the macro , meso , and micro levels forms the basis of its effective implementation based on differentiated resource components, which will ensure economic growth at all levels of the social hierarchy. Understanding the principles of determining and evaluating the strategic potential of the economic system and the use of science-based approaches to structuring and realizing the potential are factors that ensure the long-term competitive advantage of the state and its economic agents.
Why you can learn (learning outcomes)	While studying the discipline, applicants will learn : to apply methods of integration of elements of the strategic potential of economic systems to determine optimal management decisions regarding its activation and implementation; methods and areas of potential research using resource and effective approaches to ensure target, factor -production, system analysis taking into account the opportunities of the external environment; to investigate the systemic interaction of the state, the region and business to activate the strategic potential and opportunities for its implementation; take into account the best global practices regarding the activation of the strategic potential of economic development on the basis of sustainable development and the conceptual foundations of Industry 4.0, 5.0.
How to use the acquired knowledge and skills (competencies)	In the process of studying the discipline, students will acquire knowledge and be able to: evaluate the strategic potential of economic systems, taking into account resource and effective approaches; to determine and choose effective directions for the activation of strategic analysis, taking into account the results of the analysis of the current state and trends in the development of resources of economic systems; to model and forecast the strategic potential, taking into account the changing factors of the external environment and geopolitical transformations; develop sound strategies using a scenario approach to realizing the strategic potential of economic development.
Information support	The information support of the discipline consists of a syllabus , lecture presentations posted in the "Electronic Campus " system (https://campus.kpi.ua), educational and methodological materials posted in the "Electronic Campus " system, the Electronic Archive of Scientific and Educational Materials of KPI named after Igor Sikorsky - ELAKPI (https://ela.kpi.ua).
Semester control	Test

Discipline	<i>Economic and mathematical models of economic policy implementation</i>
Department	Economic cybernetics
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	The discipline is based on the knowledge received at studying of the following disciplines: "Modeling of economy", "Mathematical models of development of world economy", "Neoclassical models of economic processes"
What will be studied?	Principles of functioning of the economy as a whole, elements and levels of the economy as a system, and their interaction as a macroeconomic model; use of mathematical methods for systematic research of social development processes; application of systems analysis and mathematical modeling in the context of national security; game theory in the context of mathematical conflict theory.
Why it is interesting / necessary to study	Implementation of the strategy of macroeconomic policy of the state necessitates constant improvement of the mechanism of state regulation of economic and social processes. One of the important tools to achieve this goal and solve related problems is economic and mathematical modeling. Strategic plans for social development management should be based on a realistic assessment of the situation in the country, forecast estimates of possible directions of development in changing the impact of various factors on economic performance, analytical assessments of the necessary costs of implementing measures to overcome the negative consequences of the crisis. on the efficiency of management and welfare of the population
Why you can learn (learning outcomes)	In the process of studying the discipline students master the knowledge and skills of the principles of formation and functioning of the market mechanism, foreign economic activity; building models to achieve a balance between production and consumption; regulators to support economic growth and overcome the decline in production, inflation, unemployment, poverty reduction and living standards; use methods and techniques of macroeconomic modeling to analyze the general economic situation, as well as the formation of practical recommendations for achieving macroeconomic balance using the basic tools of macroeconomic policy
How to use the acquired knowledge and skills (competencies)	Ability to use professional knowledge and practical skills in the study of macroeconomic principles of public policy in the context of globalization, as well as based on world experience to identify areas of modern economic theories and construction of economic and mathematical models.
Information support	Syllabus, RSE, lecture notes, methodical recommendations for practical classes, lecture presentations
Semester control	Test

Discipline	<i>Economic and mathematical modeling of resource allocation and provision</i>
Department	Economic cybernetics
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	The discipline is based on the knowledge received at studying of the following disciplines: "Modeling of economy", "Mathematical models of development of world economy", "Neoclassical models of economic processes"
What will be studied?	Types of resource allocation models; classification and types of resources and the specifics of their use in the context of globalization; technologies for constructing solutions for resource provision (storage), management and qualitative analysis; technologies and methods of conducting complex applied research of resource provision of socio-economic systems in the conditions of globalization; world experience in resource consumption and achieving balance.
Why it is interesting / necessary to study	In the context of globalization, every country that wants to have a competitive national economy must integrate into the global economic space, actively establish economic relations with its various actors. Resource exchange is one of the key levers in establishing such interaction, so the ability to build and analyze models of optimal resource allocation, resource conservation and the ability to study economic systems at different levels forms a future vision of future scientists strategies to realize these opportunities.
Why you can learn (learning outcomes)	In the process of studying the discipline, students acquire knowledge and skills to synthesize the key characteristics of economic systems of different levels and analyze the behavior of their subjects; create economic and mathematical models of resource provision in the context of globalization and manage their reserves; to do applied research in socio-economic systems of resource provision in the context of globalization using modern and reliable input information, as well as original methods of analysis
How to use the acquired knowledge and skills (competencies)	Ability to use professional knowledge and practical skills in the study of economic systems of different levels in the context of globalization in order to build a sustainable system through optimal allocation of resources and inventory management.
Information support	Syllabus, RSE, lecture notes, methodical recommendations for practical classes, lecture presentations
Semester control	Test

Discipline	<i>Institutional analysis of economic development</i>
Department	Economics and Entrepreneurship
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	The course is based on the basic principles of the disciplines "Business Analysis of the Global Economy", "Social Economy", "Economic Dimension of Sustainable Development", "Economic Diagnostics". At the same time, the course "Institutional Analysis of Economic Development" provides such disciplines of professional training of students as "Economics of a multinational corporation", "Management of financial and economic security of economic systems", "Economics of a multinational corporation", "Modern models and mechanisms of economic development", analysis of economic systems".
What will be studied?	During the study of the discipline will be considered such issues as: the essence of the concept of "institution" and the evolution of the genesis of institutional development; basic approaches to defining the category "institute"; stages of development of institutional economic theory; institutional structure of the market economy; transaction cost theory; institutional analysis of the development of economic systems; contract theory; property rights theory; institutional analysis of Ukraine's economic development; the process of forming institutes in Ukraine; evolution of property relations in Ukraine; administrative reforms in Ukraine; fiscal reform in Ukraine; development of innovation infrastructure in Ukraine; formation of the social component of the institutional environment in Ukraine.
Why it is interesting / necessary to study	The course provides graduate students with the necessary amount of knowledge to master the conceptual apparatus, methodology and applied tools for assessing the level of institutional development of the national economic system and change the structure of the institutional environment; acquisition of knowledge about the laws, principles and features of the formation and development of property relations in Ukraine; obtaining information that allows you to objectively analyze the preconditions and consequences of administrative reform, changes in the tax system and fiscal incentives, as well as mastering the latest tools for effective formation and use of resources for enterprise development in times of economic crisis; knowledge and practical skills to develop recommendations for improving the institutional environment in Ukraine.
Why you can learn (learning outcomes)	In the process of studying the discipline, students master the knowledge of theoretical and practical aspects of using the methodological apparatus and tools to assess the effectiveness of the institutional environment of business entities.
How to use the acquired knowledge and skills (competencies)	Acquired knowledge and skills allow future scientists to analyze the mechanisms of domestic institutional environment, 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 institutions in Ukraine in accordance with strategic economic goals.
Information support	Syllabus, RSE, lecture notes, methodical recommendations for practical classes, lecture presentations
Semester control	Test

Discipline	<i>Situational analysis in economics</i>
Department	Economics and Entrepreneurship
Educational level	Third (educational and scientific)
Year of study	2 / 4 semester
Number of ECTS credits	5 credits / 150 hours
Language of study	English
Assumed knowledge and prerequisites	The course is based on the basic principles of the disciplines "Business Analysis of the Global Economy", "Social Economy", "Economic Dimension of Sustainable Development", "Economic Diagnostics". Provides such disciplines of professional training of students as "Economics of a multinational corporation", "Management of financial and economic security of economic systems", "Economics of a multinational corporation", "Modern models and mechanisms of economic development", analysis of economic systems".
What will be studied?	During the study of the discipline will be considered such issues as: the essence of situational analysis in economics; basic approaches to determining the essence of situational analysis; analysis of parameters of economic system development; the place of situational analysis in crisis management; methods and tools of situational analysis in economics; the role of information in situational analysis; methods of situational analysis in economics; risks in situational analysis; situational analysis in business planning; evaluation of the results of situational analysis in the economy and management decisions; making managerial decisions based on the results of situational analysis; strategy and tactics in situational analysis.
Why it is interesting / necessary to study	The course provides graduate students with the necessary amount of knowledge to master the conceptual apparatus, methodology and applied tools for evaluating the results of the use of situational analysis in economics and management decisions; acquiring knowledge about the patterns and features of the formation of parameters of the economic system in Ukraine; obtaining information that allows to investigate the place of situational analysis in crisis management; analyze ways to gather information for situational analysis, as well as gain knowledge and practical skills in using situational analysis methods, which in turn provides skills in developing effective strategies and tactics in situational analysis.
Why you can learn (learning outcomes)	In the process of studying the discipline, students acquire knowledge of theoretical and practical aspects of the use of methodological apparatus and tools for assessing the effectiveness of situational analysis in economics.
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 and effectiveness of economic system, conduct situational analysis using various techniques, evaluate the results of situational analysis in economics and management decisions, develop measures to increase the efficiency of economic development in Ukraine on the basis of strategy and tactics of situational analysis.
Information support	Syllabus, RSE, lecture notes, methodical recommendations for practical classes, lecture presentations
Semester control	Test