

НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ УКРАЇНИ
«КИЇВСЬКИЙ ПОЛІТЕХНІЧНИЙ ІНСТИТУТ імені ІГОРЯ СІКОРСЬКОГО»
Департамент організації освітнього процесу

NATIONAL TECHNICAL UNIVERSITY OF UKRAINE "IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE"
Department of educational process organization

ЗАГАЛЬНОУНІВЕРСИТЕТСЬКИЙ КАТАЛОГ
(ЗУ-Каталог)
вибіркових навчальних дисциплін циклу загальної підготовки освітніх програм
першого (бакалаврського) рівня вищої освіти

GENERAL UNIVERSITY CATALOGUE
(GU-Catalogue)
elective courses
in general training cycle
of bachelor's educational programs

Затверджено Методичною Радою КПІ ім. Ігоря Сікорського від 23.02.2023р., протокол № 5

Approved by Methodological Council of Igor Sikorsky KPI dated February 23, 2023, protocol № 5

Київ / Kyiv 2023

Psychology

Department, which provides teaching	Psychology and Pedagogy of FSP
Possible limitations	No limits
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 231 Social Work)
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	General knowledge of zoology and human anatomy, which are the constituent sections biology within the school curriculum.
What will be studied	Taking into account the importance of psychological knowledge, as well as the reasons that motivate people to grow and develop, their desire to become better and improve their lives, the course "Psychology" was created. Subject of the discipline – phenomena of mental life of a person; mental processes, states and properties of a person; psychosocial phenomena; development and formation of personality in the process of interpersonal interaction.
Why it is interesting / necessary to study	Improving the efficiency of professional training and activities in modern conditions requires a high level of psychological competence of specialists, which necessitates the study of the discipline "Psychology". The study of psychology and the application of the knowledge gained in life will contribute to personal growth, improvement of life, establishment of constructive relations, achievement of success in the professional field and other activities.
What you can learn	knowledge: - the subject and tasks of psychology; - methodological principles and methods of mental research; - the essence and specificity of the mental reflection of reality; - levels of development and forms of manifestation of the psyche; - content, psychological mechanisms and conditions for the development of human consciousness and self-awareness; - content, main characteristics and conditions for the development of the cognitive, regulatory and affective spheres of personality; - individual typological characteristics of the personality (temperament, character, abilities) and the possibility of influencing their development; - forms and patterns of interpersonal interaction. Skill: - apply the acquired knowledge to analyze the psychological essence of various manifestations of behavior and activity of the individual; - analyze the psychological content, structure and conditions of development of the personality and its individual components; - assess with the use of appropriate methodological tools (test methods) and established criteria the level of development of their own cognitive processes (sensations, perceptions, imagination, memory, thinking, speech, attention) and emotional and volitional processes (emotions, feelings, will); - evaluate by the characteristics of their own mental states and feelings; - use the methods of development of volitional, communicative qualities of

	<p>the individual, manifestations of character traits; - analyze their own activities as a component of collective activity.</p>
How can you use the acquired knowledge and skills	<p>One of the most important knowledge for a person in our time is knowledge in the field of psychology, and one of the main skills is the ability to put them into practice. In order to understand people, to be able to find a common language, to be able to respond flexibly and adapt to any situation, to be able to counteract stress, it is necessary to know psychology.</p>
Information support Discipline	<p>Syllabus, tutorial, distance learning course in Google Classroom</p>
Semester control	<p>Passed</p>

Social psychology

Department, which provides teaching	Psychology and Pedagogy of FSP
Possible limitations	No limits
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 231 Social Work)
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	General knowledge of history, literature, discipline "Man and the World" within school curriculum
What will be studied	Social psychology is a branch of psychological knowledge that studies patterns of communication and joint activities of people involved in different social groups, as well as characteristics of the groups themselves.
Why it is interesting / necessary to study	The study of the academic discipline "Social Psychology" provides the formation of social skills (Soft Skills) that allow you to be successful regardless of the specifics of the activity and the direction in which the person works.
What you can learn	knowledge: - the main directions of development of social psychology; - basic principles, concepts and categories of social psychology; - methods of socio-psychological research; - features and patterns of socio-psychological processes and phenomena; - mechanisms and scenarios of interpersonal interactions. Skill: - explain socio-psychological processes and phenomena; - to carry out social and psychological analysis of socialization and personal development; - predict the development of social situations; - establish interaction with different types of personalities; - effectively build the communication process; - analyze their own activities as a component of collective activity; - identify the factors that have the greatest influence on the formation of group regulators of individual and group behavior; - analyze the social and psychological nature of conflicts, develop recommendations for their correction and settlement; - track various group phenomena and characterize them.
How can I use acquired knowledge and skills	The study of "Social Psychology" will contribute to the development of communicative skills, situational awareness, adaptability, flexibility, adjustment constructive relations, achieving success in the professional field and other activities.
Information Ensuring discipline	Syllabus, an e-learning guide
Semester control	Passed

Psychology of conflict

Department, which provides teaching	Psychology and Pedagogy of FSP
Possible limitations	No limits
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	General knowledge of history, literature, discipline "Man and the World" within school curriculum
What will be studied	Subject of the discipline – patterns of relationships and behavior of people in conflict situations, the causes of conflicts and methods of overcoming them.
Why it is interesting / necessary to study	Conflicts are inevitable and exist where there is life and people, so the future professional needs to know: how to prevent their destructiveness, negative manifestations and destructive consequences, how to behave in the process of various conflicts, how to behave in significant, vital conflicts, how to complete and constructively, successfully for all conflicting parties, to resolve the conflict. Psychological knowledge about the personal prerequisites of conflict behavior indicates the importance of awareness of one's own desires and actions, goals and skills to listen to another, to formalize one's own desires in words, the need for a flexible the application of different strategies and tactics in conflicts, and, above all, those conflicts that are a constructive way out of a complex and critical situation
What you can learn	knowledge: - basic categories of conflict psychology; - the essence of conflict theories in psychology; - nature and causes of conflicts; - typology of conflicts; - structures and dynamics of conflicts; - styles and strategies of behavior in conflicts; - conciliation procedures, their features and rules; Skill: - analyze the conflict situation and conflict; - determine the causes of the conflict; - anticipate ways to prevent and resolve conflicts; - use techniques to determine the conflict of the individual and his tendency to certain styles of behavior in a conflict; - use different technologies for resolving conflict situations
How can you use the acquired knowledge and skills	Psychological knowledge about the rules and features of conflict-free communication and behavior helps not only to build constructive interpersonal relationships, facilitates the orientation to mutual gain in the realization of life goals, in building business and productive relationships, contribute to mental and physical health of the individual, group, team, but also to apply the ability to reconstruct the conflict, turn it into an instrument of management and influence.
Information Ensuring discipline	Syllabus, electronic textbook, complex of educational and methodical Ensuring discipline
Semester control	Passed

Psychology of security

Department, which provides teaching	Psychology and Pedagogy of FSP
Possible limitations	No limits
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours independent work – 24 hours
Language of teaching	Ukrainian
Requirements for the beginning of the study of the discipline	General knowledge of zoology and human anatomy, which are components of biology within the school curriculum, as well as general knowledge of the discipline "Man and the World" within the school curriculum.
What will be studied	The subject of the discipline "Psychology of Security" are different types of substantive and social human activities associated with threats.
Why it is interesting / necessary to study	The purpose of the discipline is to form in students a system of scientific knowledge in the psychology of security; acquisition of skills in analyzing various threats that exist relevant in modern society and production.
What you can learn	knowledge: - key concepts, theories and laws that make up the categorical apparatus of security psychology; - psychological mechanisms and patterns of safe behavior of the individual and social group; - principles of using psychological information to solve security problems that arise in the social environment and production; - methods and techniques of mental self-regulation. Skill: - analyze psychological threats in the social sphere; - use psychological knowledge in the implementation of professional functions; - use practical methods for diagnosing psychological threats at the level of the individual and social group.
How can I use acquired knowledge and skills	They create the basis for individual comprehension of various types of activities and social processes, events and relationships through the prism of possible threats to the security and security of the individual.
Information Ensuring discipline	Syllabus, a complex of educational and methodological support
Semester control	Passed

Psychology of health and healthy lifestyle

Department, which provides teaching	Psychology and Pedagogy of FSP
Possible limitations	No limits
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	General knowledge of zoology and human anatomy, which are the constituent sections biology within the school curriculum
What will be studied	Subject of the discipline "Psychology of health and healthy way life" is a psychological method and means of preserving, strengthening and developing health.
Why it is interesting / necessary to study	Health directly affects the performance and productivity of labor, reflects the image and quality of life of the individual. An important preventive factor in improving human health is a healthy lifestyle. The purpose of the discipline is to form a positive motivation for healthy Lifestyle; mastering the means and methods of its preservation, strengthening and development.
What you can learn	knowledge: - basic concepts, theories and laws that make up the categorical apparatus of health psychology and healthy lifestyle; - principles of application of psychological knowledge to solve problems associated with the formation of a healthy lifestyle; - psychological factors of destructive influence on human consciousness. Skill: - analyze the psychological factors of a healthy lifestyle; - use primary diagnostic procedures for psychological health analysis; - carry out psychological measures to develop strategies and tactics for the preservation and prevention of physical, mental and social health.
How can you use the acquired knowledge and skills	The study of the discipline "Psychology of health and healthy lifestyle" will contribute to the development of skills and abilities to analyze health risk factors, diagnose psychological health, use approaches to form an attitude to be healthy, apply psychological measures on the development of strategies and tactics for the preservation of physical, mental and social health and the prevention of its disorders.
Information Ensuring discipline	Syllabus, electronic textbook, complex of educational and methodical provision of academic discipline
Semester control	Passed

Economic psychology

Department, which provides teaching	Psychology and Pedagogy of FSP
Possible limitations	No limits
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Scope of discipline and distribution of hours of classroom and independent work	2 ECTS credits – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	General knowledge of human anatomy and socialization of personality, which are components sections of the subjects "Biology" and "Man and the World" within the school curriculum
What will be studied	Economic psychology studies the ideas of individuals and groups about economic phenomena and behavior based on the reflection of reality. This branch of science reveals and formalizes the patterns of economic behavior in all its forms – from everyday human economic activity to foreign and domestic policy of the state.
Why it is interesting / necessary Learn	Highly effective activities in the field of business and management at the present stage impossible without an understanding of the socio-psychological processes that accompany economic activity. Orientation in the conditions of functioning of the labor market in modern society, assessment of the objective and subjective aspects of the labor market requires a high level of psychological competence of specialists, which necessitates the study of the discipline "Economic Psychology".
What you can learn	<ul style="list-style-type: none"> - basic categories of psychology; - key concepts, theories and laws that make up the categorical apparatus of economic psychology; - psychological mechanisms and patterns of economic behavior of the individual and social groups; - principles of using psychological knowledge to solve problems arising in the field of economic activity of the basic categories - deeply analyze the psychological patterns of economic activity of various business entities; - use psychological knowledge in the implementation of professional functions; - use diagnostic methods to study the psychological aspects of economic activity at the level of an individual, social group, production team.
How can you use the acquired knowledge and skills	The study of "Economic Psychology" will allow the applicant for higher education: <ul style="list-style-type: none"> - take into account and explain the variability of economic behavior patterns; - take into account the individual differences of people; - regulate their own economic behavior.
Information Ensuring discipline	Syllabus, a study guide
Semester control	Passed

Social psychology

Department that provides study	Psychology and pedagogy of Faculty of Sociology and Law
Possible limitations	Only for students studying in an English-language educational program
Level of higher education	First (bachelor's)
Specialties for which the course is adapted	For all specialties (except 231 Social work)
Year of study, semester	2 year , fall or spring semester
Course total scope and hours distribution of classroom work and self- study	2 credits ECTS – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours self-study – 24 hours
Language of study	English
Requirements for begin studying the discipline	General knowledge of history, literature, discipline "Man and the World" within the school program
What will be studied	Social psychology is a branch of psychological knowledge that studies the patterns of communication and the joint activity of people involved in different social groups, as well as the characteristics of the groups themselves.
Why is this interesting / worth exploring	The study of the discipline "Social Psychology" provides the formation of social skills (Soft Skills), which allow you to be successful regardless of the specifics of the activity and the direction in which the person works.
What can you learn	knowledge: - main directions of social psychology development; - basic principles, concepts and categories of social psychology; - methods of social and psychological research; - features and patterns of socio-psychological processes and phenomena; - mechanisms and scenarios of interpersonal interactions. skills: - explain socio-psychological processes and phenomena; - carry out the socio-psychological analysis of socialization and development of the personality; - predict the development of social situations; - interact with different types of personalities; - effectively build the communication process; - analyze one's own activity as a component of collective activity; - identify the factors that have the greatest impact on the formation of group regulators of individual and group behavior; - analyze the socio-psychological nature of conflicts, to develop recommendations for their correction and settlement; - track and characterize various group phenomena.
How to use the acquired knowledge and skills	The study of Social Psychology will promote the development of communication skills, situational awareness, adaptability, flexibility, building constructive relationships, achieving success in the professional field and other activities.
Information support of the discipline	Syllabus, educational-methodical guidance
Semester assessment	Test

Political science: a conflictological approach

Department, which provides teaching	Sociology FSP
Possible limitations	up to 100 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 054 Sociology)
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Missing
What will be studied	Section 1. Theoretical foundations of political sciences. Section 2. Applied aspects of the conflictological dimension of politics.
Why it is interesting / necessary to study	To form in students a basic system of scientific knowledge about political processes, institutions, phenomena, relations through the prism of their conflictogenicity; develop the ability to expertly evaluate, analyze and manage political processes.
What you can learn	Practical skills in assessing political phenomena and events in dynamics, applying a conflictological approach, modeling political processes depending on the goals and objectives set from the standpoint of various power actors, and Also, the implementation and protection of their political rights and freedoms, motivation to show an active civic position.
How can you use the acquired knowledge and skills	Students will be able to analyze the conflictogenicity of the functioning of the state institutions and political parties, organization of electoral processes and electoral procedures as a concentrated manifestation of conflict interaction, assess the phenomena of political leadership and political elites as subjects of conflict management, identify democratization processes, participate in settlement of political conflicts.
Information support Discipline	Syllabus, textbook, textbooks, magazine "Bulletin of KPI them. Igor Sikorsky. Sociology. Political science. Law" http://www.socio-journal.kpi.kiev.ua
Semester control	Passed

Actual problems of Asian communities

Department, which provides teaching	Sociology FSP
Possible limitations	up to 100 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Missing
What will be studied	<ol style="list-style-type: none"> 1. The dynamism of the development of the countries of the Asian region, and the systemic nature of the conditions for the formation of successful examples of economic growth. 2. The rise of East Asia: a happy chance for the "Asian Tigers" or the outcome of the policies of nation-states. 3. Comparison of successful and unsuccessful examples of the activities of the states of the Asian region. The uniqueness of the West: a natural evolution or a historical case.
Why it is interesting / necessary Learn	The purpose of the discipline is the assimilation by students of knowledge about political and economic, Socio-cultural and historical origins of the economic growth of the countries of the Asian region and the importance of such experience for improving the managerial and civic competence of our compatriots.
What you can learn	As a result of mastering the discipline, students will be able to analyze and draw conclusions about the socio-cultural and historical origins of the economic growth of the countries of the Asian region, as well as the importance of such experience for improving the managerial and civic competence of our compatriots. Students will also gain practical experience during interactive lectures and workshops, cognitive modeling on strategies and tactics for the development of individual communities, conflict resolution intercultural communication, the contradictory nature of the combination of global and regional trends and contexts.
How can you use the acquired knowledge and skills	The discipline contributes to the formation of the ability to comprehensively and critically perceive diverse information on successful and unsuccessful examples of the dynamic development of the Asian region, in particular, Japan, China and the "four Asian tigers" (Singapore, South Korea, Hong Kong, Taiwan), as well as the ability to analyze the relationship between the rise of the East Asian region and the functioning and ability to modernize a developing state, formation of students' a number of competencies that will help them solve tasks facing them as specialists and citizens in the social practice of everyday life.
Information support Discipline	Syllabus, textbook, presentation materials for lectures, methodological materials for conducting seminars and independent work, electronic synopsis Lectures.
Semester control	Passed

Environmental Management

Department, which provides teaching	IEE Geoengineering
Possible limitations	No limits
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 101 Ecology and specialties, in educational programs of which this discipline is included in the regulatory component)
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	For the successful assimilation of the discipline, the applicant must have basic knowledge of ecology at the school level of the school.
What will be studied	Theoretical foundations of environmental management. Organization, its role and significance. Implementation of an environmental management system. Environmental standardization and certification. Environmental audit. Environmental marketing in the system of environmental management. Environmental engineering in the system of environmental management. Environmental quality management in the EU countries.
Why it is interesting / necessary Learn	The discipline will help future specialists, applicants for higher education of all specialties to promote the implementation and / or carry out environmentally friendly activities of enterprises (institutions, organizations), to ensure greening production, management and education in order to protect the environment and implement the principles of balanced development.
What you can learn	To carry out greening of management decisions, as a result - the activities of the enterprise (organization, institution, region, etc.) as a whole, in particular through the introduction of an environmental management system and in accordance with the current environmental legislation of Ukraine, international standards. Ensure the competitiveness of the enterprise (organization, institution, region, etc.) taking into account environmental aspects. To solve environmental problems in production activities through the introduction of technologies, methods and methods of preventing environmental pollution and the formation of production waste into production.
How can you Use acquired knowledge and skills	Make effective management decisions to minimize negative impacts activities of enterprises on the environment and achieving a high level of environmental safety of production and consumption processes.
Information Ensuring discipline	Syllabus, lecture presentations, textbooks.
Semester control	Passed

Climate change and decarbonization of the industrial sector

Department, which provides teaching	IEE Geoengineering
Possible limitations	No limits
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 101 Ecology)
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	For the successful assimilation of the discipline, the applicant must have basic knowledge of ecology at the school level of the school.
What will be studied	Climate change and the greenhouse effect. Production and its impact on the environment. Decarbonization of the energy sector. Green technologies in industry (manufacturing of things). Low-carbon technologies of growing and/or food production . Greening of transport and transport infrastructure. Energy-saving technologies of construction and production of construction raw materials. Technologies to prevent air pollution. Technologies for preventing pollution of water bodies. Technologies for preventing the formation and accumulation of production waste. Closed cycles in the industrial sector. World decarbonization policy and international experience in combating climate change.
Why it is interesting / necessary to study	Given the urgency of the global problem of climate change, the agreements of the world community within the framework of the Paris Agreement, Ukraine's green course and its European integration aspirations, global trends towards decarbonization of all sectors of industry, the discipline will be interesting for students of all specialties who need to have basic knowledge in the field of climate change prevention, as well as possess low-carbon technologies and tools for preventing environmental impact in the course of their professional activities.
What you can learn	Understand the causes and consequences of climate change. Assess and predict impact technological processes on the environment. To develop (improve) and implement low-carbon production technologies, to create circular production cycles for the decarbonization of industrial Sector.
How can I use acquired knowledge and skills	Decarbonize the industrial sector to prevent climate change, adapt and mitigate the effects of such changes.
Information support Discipline	Syllabus, lecture presentations, textbooks
Semester control	Passed

Cleaner production

Department, which provides teaching	Ecology and technology of plant polymers IHF
Possible limitations	No limits
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 101 Ecology)
Course, semester	2nd year, fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours lectures – 18 hours, practical – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Basic knowledge at the level of the school course of ecology: basic concepts and terms
What will be studied	Modern approaches in the field of ecology, environmental protection and balanced nature management, which is the basis for the creation of low-waste clean industries and resource-saving technologies.
Why it is interesting / necessary to study	The best way to overcome the contradictions between economic growth and an acceptable level of environmental safety is the development, creation and implementation of environmental innovations that will ensure a rational, more economical use of natural resources involved in production, more efficient methods of their reproduction and reduction of harmful emissions into the environment. This, in turn, will ensure an increase in production efficiency and improving the conditions of human life and existence, which will become the basis for sustainable development.
What you can learn	Apply modern approaches to the organization of environmentally friendly industries, reorganization and reconstruction of existing production facilities from the standpoint of resource saving , taking into account the product life cycle.
How can you use the acquired knowledge and skills	- use innovative achievements in the field of ecology, environmental protection and balanced environmental management for the organization of low-waste clean industries; - choose the most effective and reasonable methods of protecting the environment and its individual components; - assess the potential impact of man-made facilities and economic activity on the environment and humans.
Information support Discipline	Syllabus, textbook, distance learning course Moodle
Semester control	Passed

Industrial ecology

Department, which provides teaching	Ecology and technology of plant polymers IHF
Possible limitations	No limits
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 101 Ecology and specialties, in educational programs of which this discipline is included in the regulatory component)
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours lectures – 18 hours, practical – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Basic knowledge at the level of the school course of ecology: basic concepts and terms.
What will be studied	Processes of pollution of the atmosphere, hydrosphere and lithosphere due to the functioning of the main branches of human production activity, represented by enterprises of fuel and energy, mining, metallurgical, oil refining, construction, chemical and food Industry.
Why it is interesting / necessary to study	In the modern world, methods of preventing negative impact on the environment during the work of industrial enterprises are the key to sustainable development of society and environmental safety of the biosphere.
What you can learn	Choose approaches to ensure an adequate level of environmental safety when work of industrial enterprises.
How can you use the acquired knowledge and skills	<ul style="list-style-type: none"> - analyze the production process, determine the level of influence of the enterprise (production) on the environment; - determine the main pollutants of the environment of the enterprise (production); - propose promising measures to reduce the anthropogenic load on the environment during the work of specific industrial enterprises.
Information Ensuring discipline	Syllabus, textbook, tutorial, distance learning course Moodle
Semester control	Passed

Industrial ecology

Department that provides study	Ecology and Plant Polymers Technology of Faculty of Chemical Engineering
Possible limitations	Only for students studying in English-language educational programs
Level of higher education	First (bachelor's)
Specialties for which the course is adapted	For all specialties (except 101 Ecology and specialties, in the educational programs of which the normative components contain this discipline)
Year of study, semester	2 year , fall or spring semester
Course total scope and hours distribution of classroom work and self- study	2 credits ECTS – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours, self-study – 24 hours
Language of study	English
Requirements for begin studying the course	Basic knowledge at the level of school ecology course: basic concepts and terms.
What will be studied	It will be studied pollution of the atmosphere, hydrosphere and lithosphere due to the functioning of the main branches of human production, represented by fuel and energy, mining, metallurgy, oil refining, construction, chemical and food industry.
Why is this interesting / worth exploring	In today's world, methods of preventing negative impacts on the environment at the work of industrial enterprises are guaranty of sustainable development of society and environmental safety of the biosphere.
What can you learn	You can learn to choose approaches for ensuring the appropriate level of environmental safety in industrial enterprises.
How to use the acquired knowledge and skills	- analyze the production process, determine of level of impact of the production on the environment; - identify the main pollutants of the production; - offer perspective measures to reduce anthropogenic loading on the environment at work of specific industrial production.
Information support of the course	Syllabus, textbooks
Semester assessment	Test

Environmental protection strategies

Department that provides study	Ecology and Plant Polymers Technology of Faculty of Chemical Engineering
Possible limitations	Only for students studying in English-language educational programs
Level of higher education	First (bachelor's)
Specialties for which the course is adapted	For all specialties (except 101 Ecology and specialties, in the educational programs of which the normative components contain this discipline)
Year of study, semester	2 year , fall or spring semester
Course total scope and hours distribution of classroom work and self- study	2 credits ECTS – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours, self-study – 24 hours
Language of study	English
Requirements for begin studying the course	Basic knowledge of school level ecology: main concepts and terms.
What will be studied	It will be studied causes of complex global and regional environmental problems in Ukraine and in the world, opportunities of finding and implementing optimal ways of solving environmental problems
Why is this interesting / worth exploring	World development is inextricably linked to different problems, including environmental problems. Therefore, training, which allows future professionals on the basis of acquired knowledge to actively participate in domestic and international projects related to environmental protection and development of environmental entrepreneurship, understand and optimally solve environmental problems of regions, be able to form effective communication strategies, conveying ideas, problems, solutions and personal experience in the field of ecology, is extremely important.
What can you learn	To implement basic prevention strategies for environmental protection and ensure the rational use of natural resources
How to use the acquired knowledge and skills	<ul style="list-style-type: none"> - understand the basic environmental laws, rules and principles of environmental protection and nature management; - define perspective directions of increasing of biosphere compatibility of objects of the national economy; - choose management measures within the limits of natural-territorial complexes for stabilization of an ecological situation.
Information support of the course	Syllabus, textbooks
Semester assessment	Test

Fundamentals of e-government

Department, which provides teaching	Theories and practices of FSP management
Possible limitations	up to 100 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 281 Public Administration and administration)
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours lectures – 18 hours, practical – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Ability to use Moodle and Zoom platforms, ability to analytical thinking.
What will be studied	Introduction to e-government. Project "Changes for the better!" The concept and essence of e-government. Basic approaches to the consideration of e-government. Foreign experience in implementing e-government. Implementation of e-government in Ukraine. Electronic services. The essence and basic principles of the development of e-democracy. Tools of e-democracy. E-government in the context of a network war. Electronic Parliament.
Why it is interesting / necessary to study	The purpose of the discipline is to get acquainted with modern trends in the development of e-government and e-democracy, challenges and threats in the implementation of e-government, features of various technologies and tools of e-government and e-democracy.
What you can learn	Expected learning outcomes: - um i t i o r g a n i s o v u v a t i t a b r a t i u h a s t y u v o l o n t e r s y k i k h / k u l y t u r n o - o s i n i t n a n d x / s p o r t s p r o j e c t s a i m e d a t f o r m i n g a h e a l t h y l i f e s t y l e / a c t i v e c i t i z e n s h i p , u s i n g t o o l s a n d t e c h n o l o g i e s o f e - g o v e r n m e n t ; - understand and use technologies for the development, adoption and implementation of management decisions in the context of the introduction of e-government; know the basics of e-government; - be able to search and summarize information on the development of e-government, draw conclusions and formulate recommendations within their competence.
How can you use the acquired knowledge and skills	Competencies: ability to make management decisions in the context of e-government, determine the directions of e-governance development, navigate in various technologies and tools of e-government and e-democracy, to respond appropriately to challenges and threats in the implementation of e-government.
Information Ensuring discipline	Syllabus, textbook, Moodle platform course, lecture presentations and video lectures, guidelines for practical tasks and teamwork.
Semester control	Passed

Smart Cities

Department, which provides teaching	Theories and practices of FSP management
Possible limitations	up to 100 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 281 Public Administration and administration)
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours lectures – 18 hours, practical – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Ability to use Moodle and Zoom platforms, ability to analytical thinking.
What will be studied	Introduction to smart cities: basic concepts. International experience in the development of smart cities: basic approaches and evaluation. The main components and directions of development of smart cities. Regulatory and legal support for the development of smart cities: strategies, concepts, action plans. Smart mobility, smart parking. Smart governance and smart citizens. Smart environment and smart buildings. The use of big data in e-government systems and in smart cities. Development of smart cities in Ukraine.
Why it is interesting / necessary to study	The purpose of the discipline is to form students' modern theoretical and practical knowledge, skills and abilities regarding modern trends in the development of smart cities, identification of challenges and threats in the implementation of a variety of smart technologies.
What you can learn	Expected learning outcomes: - knowledge of the main components and directions of development of smart cities; - ability to search and summarize information on the development of smart cities, draw conclusions and formulate recommendations within their competence; - the ability to determine the actual problem of the development of smart cities, to conduct its research taking into account foreign experience.
How can you use the acquired knowledge and skills	Make decisions on the development of a smart city, determine the directions of development of a smart city, navigate a variety of technologies and tools of a smart city, properly respond to challenges and threats in case of introduction of a variety of smart technologies.
Information support Discipline	Syllabus, textbook, distance course on the Moodle platform, presentations of lectures and video lectures, guidelines for practical tasks and teamwork.
Semester control	Passed

Political participation and civic responsibility

Department, which provides teaching	Theories and practices of FSP management
Possible limitations	up to 100 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours lectures – 18 hours, practical – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Basic knowledge of the social and behavioral sciences, the theory of state and law.
What will be studied	The course is devoted to the formation and development of civic competencies in students, focused on theoretical and practical levels that allow to develop a culture of democracy and civic responsibility. During the study, students will learn about what factors contribute to the development of a democratic society, about the opportunities for political participation available to everyone, about the basic principles that allow them to act responsibly, guided by ethical and legal norms.
Why it is interesting / necessary Learn	The success of reforms and transformations at all levels of Ukrainian society largely depends on the knowledge, skills and abilities of citizens, which would allow them to better mark the society in which they live and develop, think critically, act responsibly in relation to themselves, their local community, as well as the moldy society. This course is important for those seeking to better understand which Competences are important for the rubbing of civic activism and what tools are available to implement their own political participation.
What you can learn	The course allows you to understand how citizens can influence the authorities, what tools of public participation are currently available to everyone in Ukraine, learn more about the possibilities of using public information and open data, about the available anti-corruption tools to ensure transparency and accountability of public authorities and how every citizen can join this, learn about the principles of good governance, and will also add an understanding of what competencies are important to become initiator of positive changes in society, as well as to make responsible management decisions.
How can you use the acquired knowledge and skills	The acquired knowledge and skills will be useful in everyday life, as well as in building a career. Cruz will allow the applicant for higher education to properly exercise their civil rights and treat civic duties responsibly, maintain an effective dialogue with government institutions, and make moderate political choices.
Information support Discipline	Syllabus, textbooks, presentation materials of lectures
Semester control	Passed

Cultural Studies

Department, which provides teaching	FSP philosophies
Possible limitations	up to 100 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 231 Social Work)
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours lectures – 18 hours, seminars – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements for the beginning of the study of the discipline	In order to start studying the course "Cultural Studies", it is enough to have basic knowledge within the framework of the high school program; understanding of leading social problems that determined the nature of the main stages of world history; acquaintance with classical world fiction and the basics of social studies.
What will be studied	Scientific reflection of ideas about the essence of culture and socio-cultural processes in general, addressed to the ideological needs of modern man, reveal the multiplicity of forms of its adaptation to the surrounding world with the preservation of the characteristics of human existence – self-realization of the individual
Why it is interesting / necessary Learn	formation of knowledge on integrative strategies for understanding civilizational development and foundations of intellectual and cultural improvement of the individual.
What you can learn	To determine the specifics of cultural studies at the present stage of development of society as an actual branch of scientific research, which is aimed both at harmonization of sociocultural processes and at strategic planning and forecasting of ways of cultural progress, interaction in the direction of international activity and preservation of cultural achievements; understand the peculiarities of the development of culture in the conditions of historical dynamics of civilizations of the ancient world, the Middle Ages and New time and modernity; use the principles of diagnosis of the sociocultural state of modern society, determine its main Problems and priority needs
How can you use the acquired knowledge and skills	<ul style="list-style-type: none"> - to identify patterns of development of the history of world culture as the logic of the cultural process; - to realize that cultural knowledge helps to form one's own life position and provides an opportunity for strategic understanding of professional development; - integrate their own activities into the cultural environment, taking into account the formed place of individual sociocultural elements in the cultural context; - combine theoretical and practical aspects of cultural studies in the process of professional activity, taking into account the possible consequences for a person; to identify the nationally original and pan-European vectors of formation of the national tradition and the modern content of culture; - to form their own active, effective position on the special meaning and value-forming role of culture in modern society
Information Ensuring discipline	Syllabus, lecture notes, guidelines for conducting seminars classes and independent work.
Semester control	Passed

Religions in the global world

Department, which provides teaching	FSP philosophies
Possible limitations	up to 100 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours lectures – 18 hours, practical – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Missing
What will be studied	Theoretical and practical aspects of the influence of the religious factor on international relations in the context of globalization processes.
Why it is interesting / necessary to study	The religious factor occupies a prominent place in the list of issues on the global agenda. Remaining in most cases an integrative factor and having a complex system of horizontal ties and institutional relations, religion can serve as an effective tool for regulating global trends. In general, the position of each religion regarding globalization can be considered formed, but one or another religion speaks of world development with much less certainty. If in some regions of the world people demonstrate a strong commitment to their traditional, "pre-global" religious forms, in others, on the contrary, religiosity acquires modernist configurations. The purpose of the discipline is to identify the place of religion in the modern global space, as well as trends in the development of religions in the context of globalization and a significant acceleration of the dynamics of society.
What you can learn	Students will be able to understand the importance of religion in the history of international relations; to study confessional dynamics in the context of globalization, to analyze modern processes of religious revival and secularization on examples of specific models of religious and political interaction in Europe, Asia and America, to assess the role of the religious factor in the EU immigration policy, to compare the positions of traditional religions with the positions of new religious movements and mystic-esoteric movements.
How can you use the acquired knowledge and skills	Discipline will contribute to the formation of the ability to tolerate culture and religious traditions of other countries. It will improve critical and creatively-oriented thinking skills, management skills, etc. Students will be able to analyze modern religious conflicts, take into account the religious component in the culture of different nations, assess the consequences of global religious processes for Ukraine, identify the specifics of interreligious interaction and its role in political and social processes, the interrelationships of religion and the sphere of culture, science, art.
Information support Discipline	Syllabus, presentation materials for lectures, guidelines for conducting seminars and independent work.
Semester control	Passed

Aesthetics of industrial design

Department, which provides teaching	VPI charts
Possible limitations	up to 100 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 023 Fine Arts, decorative art, restoration)
Course	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours lectures – 18 hours, practical – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	General knowledge of design and ability to work with computer programs on school education base.
What will be studied	Main topics on industrial design design
Why it is interesting / necessary Learn	The course was created to get acquainted with the aesthetic component of industrial design, principles of design design and their application in the technological process.
What you can learn	knowledge: <ul style="list-style-type: none"> - methods of design and design of elements of compositions of industrial design objects; - means of harmonization of the composition of industrial design objects; - the most important principles of the composition of industrial design objects; - means of displaying national and globalization features in industrial design objects; - on ergonomics and layout; - methods of designing industrial design objects in accordance with the three main branches of design with an emphasis on graphic design. Skill: <ul style="list-style-type: none"> - conceptually develop objects of industrial design in accordance with the theory of composition and general methods of design design; - analyze the proposed design projects, offering the best options for creation; - work in tandem with the designer and in a team.
How can I use acquired knowledge and skills	Studying the basics of industrial design design will contribute to personal growth, achieving success in the professional field as a specialist who takes into account aesthetic indicators in the development of technical and functional qualities of the object, able to combine art, marketing and technology.
Information support Discipline	Syllabus, training materials
Semester control	Passed

Styles in the visual arts

Department, which provides teaching	VPI charts
Possible limitations	up to 200 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 023 Fine Arts, decorative art, restoration)
Course	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours lectures – 18 hours, practical – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	General knowledge of the visual arts at the school curriculum level.
What will be studied	<ul style="list-style-type: none"> - general idea of styles in art; - styles in the art of the Ancient World; - styles in the art of the Ancient East; - artistic styles of the Middle Ages; - artistic styles and directions of the New and Modern times
Why it is interesting / necessary Learn	For the formation of aesthetic taste, the development of a high level of general culture and artistic worldview.
What you can learn	<ul style="list-style-type: none"> - navigate in cultural and historical epochs and distinguish them based on the characteristics of artistic forms; - navigate in works of fine art and architecture; - know the chronology of the development of basic styles in art; - evaluate works of art from the standpoint of stylistic unity.
How can you use the acquired knowledge and skills	<ul style="list-style-type: none"> - knowledge of styles in the visual arts contributes to personal growth and success in the professional field as a specialist, taking into account the principle of stylistic unity as an integral aesthetic component in the organization of any formal elements; - use the acquired knowledge in various types of cultural activities; - apply acquired knowledge during intercultural communication.
Information Ensuring discipline	Syllabus, textbook, lecture presentations.
Semester control	Passed

Eristics

Department, which provides teaching	FSP philosophies
Possible limitations	up to 50 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours lectures – 18 hours, practical – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements for the beginning of the study of the discipline	In order to start studying the course "Eristics", it is enough to have basic knowledge within the framework of the high school program; understanding of leading social problems that determined the nature of the main stages of world history; Getting started with classical world fiction and the foundations of social studies.
What will be studied	Theoretical and practical aspects of eristics
Why it is interesting / necessary Learn	Eristics is the leading component of life, a means of verbalizing individual thoughts and development of communicative discourses in interpersonal and group interaction.
What you can learn	Acquire self-reflection skills, master public broadcasting algorithms (oratory), use the rules of constructive dialogue, methods of dispute (eristics), study the conditions of the conflict
How can you use the acquired knowledge and skills	Professionally prepare for public speaking and effectively speak in public, conduct effective negotiations, be able to prove your own opinion in the discourse of polemics, constructively resolve conflict situations, show the ability to emotional intelligence and tolerance in communication. Understand the importance of rhetoric in the social and media dimensions, distinguish between rhetorical manipulations and counteract manipulative influences. The acquired knowledge is necessary for the student's self-improvement and, in the future, for improving the quality of social process management
Information Ensuring discipline	Syllabus, a study guide
Semester control	Passed

Logic

Department, which provides teaching	FSP philosophies
Possible limitations	up to 150 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties (except 281 Public Administration and administration)
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours lectures – 18 hours, practical – 18 hours independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	General knowledge within the school curriculum
What will be studied	<p>The subject of study of logic are the laws and forms of human thinking. The course of logic includes the main information on the history of the science of thinking, the study of the main laws of formal logic – the law of identity, the exclusion of contradiction, the excluded third, sufficient basis and a detailed acquaintance with the rules of construction and methods of effective use in the thinking process of such logical forms as concepts, judgments, inferences.</p> <p>Forms of thinking are considered not only as a tool for knowing the world, but also as a means of increasing the efficiency of communication.</p> <p>It should be noted that the laws of formal logic underlie modern computer programming, so this function of logic is considered in particular detail.</p> <p>Also, students get acquainted with the main principles of the theory of development – dialectical logic: the principles of development, the connection of everything with everything, the principle of ascent from the abstract to the concrete, the coincidence of the historical and logical.</p>
Why it is interesting / necessary Learn	Familiarity with logic teaches clear thinking and coherent presentation of one's own Thoughts.
What you can learn	- justify their ideas and decisions; - correctly defend their opinions.
How can I use acquired knowledge and skills	To convince other people that in modern conditions is a necessary component of success, no matter what kind of activity a person is engaged in
Information Ensuring discipline	Syllabus, textbook (print and electronic edition)
Semester control	Passed

Logic

Department that provides study	Philosophy of Faculty of Sociology and Law
Possible limitations	Students studying in English-language educational programs are of the highest precedence. Quantitative limit is 50 persons per semester
Level of higher education	First (bachelor's)
Specialties for which the course is adapted	For all specialties (except 281 Public administration)
Year of study, semester	2 year , fall or spring semester
Course total scope and hours distribution of classroom work and self- study	2 credits ECTS – 60 hours classroom classes: lectures – 18 hours, seminars – 18 hours, self-study – 24 hours
Language of study	English
Requirements for begin studying the course	General knowledge within the domain of secondary education
What will be studied	automated reasoning; natural deduction; Artificial Intelligence (AI) research and development; theory and practice of proofs; formal modeling theory and practice; metamathematics; theories of truth; patterns of human thought (up to some meta-theoretical aspects concerning logic programming and introduction to knowledge bases, expert systems and knowledge representation methods)
Why is this interesting / worth exploring	The course content is made up to be comprehensible regardless the students specialization and educational program. Within the range of similar courses, this one deals not with the logic for the Law students only but offers the ways of its practical implementation for technical sciences, natural sciences, arts and humanities, maths and computer science. The content of the course is reviewed and improved regularly. The textbooks and supplementary materials used by instructor are always up to date (none of such is published earlier then 2011).
What can you learn	- basics of formal languages used in mathematics, computer sciences, data science, mathematical linguistics, etc.; - proofs and checking of the validity of arguments and the input data for errors and invalidity; - performing inductive reasoning procedures in scientific research and professional activity; - learning theory and using several techniques of formal and informal proofs within the formal systems, such as ‘Gentzen-style’ Sequent Calculus; ‘Fitch-style’ proofs; Tableaux methodology; Automatic resolution systems, etc.; - improving operating skills concerning the concepts of models for the formal systems.
How to use the acquired knowledge and skills	Performing formal proofs and refutations in mathematical sciences; use of formal metalanguages. Analysis of information. Reasoning within the framework of reliable inferential patterns. Basic insights into logic programming paradigm.
Information support of the course	Syllabus, textbook (printed and electronic edition)
Semester assessment	Test

Fundamentals of entrepreneurial activity

Department, which provides teaching	Economics and Entrepreneurship FMM
Possible limitations	up to 100 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course	2nd year, fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours lectures – 18 hours, practical – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	General natural science knowledge within the school curriculum
What will be studied	The classes will study thoroughly and in detail issues related to the financial, organizational and legal aspects of the organization of entrepreneurial Activity. Legal, organizational, tax, labor, financial and customs aspects will be the focus of the discipline.
Why it is interesting / necessary to study	The course will be useful to everyone who seeks to start an entrepreneurial activity in the future and integrate the acquired knowledge and skills on real examples of business organization. Experience gained will be useful for both future entrepreneurs and managers of industrial enterprises.
What you can learn	What are the legal principles of entrepreneurial activity? What organizational forms of entrepreneurial activity are appropriate and why? What factors should be taken into account when choosing a tax system and why? Why competitive analysis and how will SWOT help? Why calculate the internal rate of return, what is its semantic load? What are the most common contracts and what are their features? How to attract funding and what are the main sources? How to reasonably convince the investor of the financial viability of your project? How does the Customs Code work and what restrictions does it impose? Labor and civil law relations: how to choose? Financial argumentation of business ability to work profitably.
How can you use the acquired knowledge and skills	Ability to use professionally profiled knowledge and practical skills in taxation, labor and customs law, management accounting, marketing.
Information support Discipline	Syllabus, textbook, terminological dictionary, lecture presentations.
Semester control	Passed

Fundamentals of Academic Integrity

Department, which provides teaching	Department of Theory and Practice of FSP Management
Possible limitations	up to 200 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course	2nd year, fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTC credits – 60 hours lectures – 18 hours, practical – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	On the basis of school education
What will be studied	Educational process and research activities at the university. Scientific communication. The essence and fundamental values of academic integrity. Fundamentals of Academic Writing. Intellectual property and academic integrity. Sources of educational and scientific information. Information search. Open science as a means of promoting academic integrity. Text borrowings, formatting of references and citations in educational and scientific works. Bibliographic managers in research activities. Systems for checking texts for signs of plagiarism.
Why it is interesting / necessary to study	Adherence to the principles of academic integrity by students and teachers at the university is the key to quality education, successful employment of graduates, and ensuring a decent standard of living. scientific (creative) activities to ensure the improvement of the quality of education, trust in learning outcomes and / or scientific (creative) achievements.
What you can learn	As a result of studying the discipline, students will know: - the main provisions of the current regulations on academic integrity; - fundamental principles of modern educational and scientific (creative) activity; - basic concepts and fundamental values of academic integrity, its impact on academic culture and quality of education; - components of the system of internal quality assurance of educational and scientific activities of the university and the quality of higher education in general
How can you use the acquired knowledge and skills	Competences obtained within the discipline include: - ability to understand and apply practice the main provisions of the national legislation on academic integrity; - ability to develop and apply their own analytical and creative abilities in educational and research activities; - the ability to identify, evaluate and prevent various forms of violations of academic integrity; - to use the works of other authors in their studies and scientific (creative) activities; - the ability to influence the formation of a culture of academic integrity in the academic community; - awareness of civic duty, intolerance to fraud and corruption in the academic environment.
Information support Discipline	Syllabus, textbook, textbooks, guidelines.
Semester control	Passed

Corporate culture and business etiquette

Department, which provides teaching	Department of Theory and Practice of FSP Management
Possible limitations	up to 100 people per semester
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours lectures – 18 hours, seminars – 18 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements for the beginning of the study of the discipline	Understanding the importance of knowledge and skills in the field of business etiquette to maintain positive corporate image, to create and maintain your own professional image, effective interaction with colleagues and (foreign) business partners and career development. Interest in the topic.
What will be studied	Business etiquette as an integral part of corporate culture. National features of the formation of corporate culture. Business etiquette as the basis of behavior in the business sphere.
Why it is interesting / necessary to study	Awareness of the importance of business etiquette as an integral part of corporate culture, knowledge of the norms and rules of business etiquette, the ability to use them makes it possible not only to maintain the image of the company, the institution where the person works, but also helps to create your own positive business image, to concentrate on professional communication and avoid misunderstandings in the process of communication and when working with (foreign) business partners.
What you can learn	Effectively communicate, look professionally and behave, act accordingly when organizing and holding meetings, business meals with colleagues and (foreign) business partners and thereby strengthen the positive corporate and management image of the company, as an employee, a member of the team. Acquire the ability to: - positively interact with colleagues and business partners and maintain their own positive professional image; - effectively communicate with (foreign) business partners, colleagues, using verbal and non-verbal means; - communicate effectively using technical means; - prepare and hold meetings with (foreign) business partners; - prepare for business trips of various formats and solve problematic issues that may arise during them.
How can I use acquired knowledge and skills	In daily and professional life / in business situations. When interacting with colleagues, friends, business (foreign) partners. The knowledge and skills acquired after studying the discipline will provide additional confidence in business life.
Information support Discipline	Syllabus, textbooks, lecture presentations
Semester control	Passed

Corporate culture and business etiquette

Department that provides study	Theory and Practice Management of Faculty of Sociology and Law
Possible limitations	Quantitative limit is 50 persons per semester. Only for students studying in English-language educational programs
Level of higher education	First (bachelor's)
Specialties for which the course is adapted	For all specialties
Year of study, semester	2 year , fall or spring semester
Course total scope and hours distribution of classroom work and self- study	2 credits ECTS – 60 hours classroom classes: lectures – 18 hours, practical – 18 hours, self-study – 24 hours
Language of study	English
Requirements for begin studying the course	Understanding the importance of business etiquette knowledge and skills to maintain a positive corporate image of a company / institution / enterprise, to create and maintain a personal professional image, to interact effectively with colleagues and (foreign) business partners and for a career development. Interest in the topic.
What will be studied	Business etiquette as an integral part of corporate culture. National features of corporate culture formation. Business etiquette as the basis of business behavior. Rules and norms of etiquette and protocol generally accepted in business.
Why is this interesting / worth exploring	Awareness of the importance of business etiquette as an integral part of corporate culture, knowledge of its rules, the ability to use them accordingly allows one to maintain the image of the company / institution where a person works. It also helps one to create a personal positive business image, to focus on achieving professional / life goals and to avoid unwanted mistakes and misunderstandings while communicating and working with (foreign) business partners.
What can you learn	To communicate effectively, to look and behave professionally and to act accordingly while organizing and conducting meetings, business meals with colleagues and (foreign) business partners. It will give one an ability to strengthen the positive corporate image of the company / institution, as well as to increase one's competence and value as an employee and a member of a team.
How to use the acquired knowledge and skills	One can use acquired skills in everyday and professional life / in business situations, while interacting with colleagues, friends, business (foreign) partners. These knowledge and skills will provide one an additional confidence in (business) life.
Information support of the course	Syllabus, textbooks, presentation of lectures
Semester assessment	Test

Martial Arts
(boxing, kickboxing, taekwon-do, karate)

Department, which provides teaching	FBMI Health and Sports Technologies
Possible limitations	No more than 15 students per teacher in the study group
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours classroom classes: lectures – 0 hours, practical – 36 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Belonging for health reasons to the main or preparatory medical groups.
What will be studied	The main provisions for the organization and conduct of classes in boxing, kickboxing taekwon-do or karate.
Why it is interesting / necessary to study	There is a need for students to develop the ability to maintain at a sufficient level the state of physical and mental health, physical and mental performance; to form motivation to engage in physical activity and sports as a component of a healthy lifestyle.
What you can learn	As a result of studying the discipline "Martial Arts", students will be able to: use the means of boxing, kickboxing, taekwon-do, karate with the purpose of improving physical and mental performance, the development of physical qualities.
How can you use the acquired knowledge and skills	Competences are formed to use the acquired boxing skills, kickboxing, taekwon-do, karate for the purpose of outdoor activities and healthy lifestyle.
Information support Discipline	Syllabuses, tutorials
Semester control	Passed

Game sports
(football, volleyball, basketball, tennis , table tennis)

Department, which provides teaching	FBMI Health and Sports Technologies
Possible limitations	No more than 15 students per teacher in the study group
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours classroom classes: lectures – 0 hours, practical – 36 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Belonging for health reasons to the main or preparatory medical groups.
What will be studied	The main provisions for the organization and conduct of football classes, volleyball, basketball, tennis, table tennis.
Why it is interesting / necessary to study	There is a need for students to develop the ability to maintain at a sufficient level the state of physical and mental health, physical and mental performance; to form motivation to engage in physical activity and sports as a component of a healthy lifestyle.
What you can learn	As a result of studying the discipline "Game Sports", students will be able to: use the means of football, volleyball, basketball, tennis, table tennis in order to increase physical and mental performance, the development of physical qualities.
How can you use the acquired knowledge and skills	Competences are formed on the use of acquired skills in football, volleyball, basketball, tennis, table tennis for the purpose of outdoor activities and healthy lifestyle.
Information support Discipline	Syllabuses, tutorials
Semester control	Passed

**Strength sports (athleticism, fitness
 strength training)**

Department, which provides teaching	FBMI Health and Sports Technologies
Possible limitations	No more than 15 students per teacher in the study group
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours classroom classes: lectures – 0 hours, practical – 36 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Belonging for health reasons to the main or preparatory medical groups
What will be studied	The main provisions on the organization and conduct of classes in athleticism, fitness strength training
Why it is interesting / necessary to study	There is a need for students to develop the ability to maintain at a sufficient level the state of physical and mental health, physical and mental performance; to form motivation to engage in physical activity and sports as a component of a healthy lifestyle
What you can learn	As a result of studying the discipline "Power Sports", students will be able to use the means of athleticism, fitness and strength training in order to increase physical and mental performance, development of physical qualities
How can I use acquired knowledge and skills	Competencies are formed on the use of acquired skills in athleticism, fitness and strength training for the purpose of active recreation and maintaining a healthy lifestyle.
Information support Discipline	Syllabuses, tutorials
Semester control	Passed

Complex coordination sports
(gymnastics, acrobatics, trampoline jumping, choreography, workout,
dance aerobics, shaping, tourism and climbing, classes in special medical
groups
for students with disabilities and health disabilities)

Department, which provides teaching	FBMI Health and Sports Technologies
Possible limitations	No more than 15 students per teacher in the study group
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours classroom classes: lectures – 0 hours, practical – 36 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Belonging for health reasons to the main or preparatory medical groups.
What will be studied	The main provisions for the organization and conduct of classes in gymnastics, acrobatics, trampoline jumping, choreography, workout, dance aerobics, shaping, tourism and climbing, as well as classes in special medical groups (for students with disabilities and health disabilities).
Why it is interesting / necessary to study	There is a need for students to develop the ability to maintain at a sufficient level the state of physical and mental health, physical and mental performance; to form motivation to engage in physical activity and sports as a component of a healthy lifestyle.
What you can learn	As a result of studying the discipline "Complex coordination types" sports" students will be able to use the means of gymnastics, acrobatics, trampoline jumping, choreography, workout, dance aerobics, shaping, tourism and climbing in order to improve physical and mental performance, development of physical qualities.
How can you use the acquired knowledge and skills	Competences are formed on the use of acquired skills in gymnastics, acrobatics, trampoline jumping, choreography, workout, dance aerobics, shaping, tourism and climbing. maintaining a healthy lifestyle.
Information Ensuring discipline	Syllabuses, textbooks, guidelines for self-study
Semester control	Passed

Cyclic sports
 (swimming, swimming for beginners, athletics-fitness)

Department, which provides teaching	FBMI Health and Sports Technologies
Possible limitations	No more than 15 students per teacher in the study group
Level of higher education	First (bachelor's)
Specialties for which Adapted discipline	For all specialties
Course, semester	2nd year , fall or spring semester
Discipline scope and distribution of hours classroom and independent work	2 ECTS credits – 60 hours classroom classes: lectures – 0 hours, practical – 36 hours, independent work – 24 hours
Language of teaching	Ukrainian
Requirements to start Discipline study	Belonging for health reasons to the main or preparatory medical groups.
What will be studied	The main provisions for the organization and conduct of swimming classes, swimming for beginners, athletics-fitness.
Why it is interesting / necessary to study	There is a need for students to develop the ability to maintain at a sufficient level the state of physical and mental health, physical and mental performance; to form motivation to engage in physical activity and sports as a component of a healthy lifestyle.
What you can learn	As a result of studying the discipline "Cyclic sports", students will be able to learn how to swim and use the means of swimming, light athletics-fitness in order to improve physical and mental performance, the development of physical qualities.
How can you use the acquired knowledge and skills	Competences are formed to use the acquired swimming skills, swimming for beginners , athletics and fitness for the purpose of active recreation and maintaining a healthy lifestyle.
Information support Discipline	Syllabuses, textbooks, guidelines for practical and independent classes
Semester control	Passed

Strength Sports (Athletics)

Department that provides study	Health and Sports Technologies of Faculty of Biomedical Engineering
Possible limitations	Only for students studying in English-language educational programs. Not more than 15 students per teacher in an academic group
Level of higher education	First (bachelor's)
Specialties for which the course is adapted	For all specialties
Year of study, semester	2 year , fall or spring semester
Course total scope and hours distribution of classroom work and self- study	2 credits ECTS – 60 hours lectures – 0 hours, practical – 36 hours, self-study – 24 hours
Language of study	English
Requirements for begin studying the course	State of health level: fitness or low-fitness program
What will be studied	Basic provisions of the athletics training organization
Why is this interesting / worth exploring	There is a need to develop students' ability to maintain a sufficient level of physical and mental health, physical and mental capacity; to develop basic vital applied motor skills; to form motivation to engage in physical activity and sports as a component of a healthy lifestyle
What can you learn	As a result of studying the discipline "Strength Sports" students will be able to use the means of athletic gymnastics in order to improve physical and mental performance, the development of physical qualities
How to use the acquired knowledge and skills	Competences for the use of acquired skills in athletic gymnastics, weightlifting, powerlifting, weightlifting for active recreation and a healthy lifestyle are formed
Information support of the course	Syllabus, textbook
Semester assessment	Test