

THEMATIC PLAN
of research projects registered by UkrINTEI
and carried out within department themes (without targeted funding)
by the Odesa I.I. Mechnikov National University (ONU) in 2022

No	Name of research project	Code (subject number)	ONU order	Scientific supervisor (academic degree, academic title)	Expected scientific results in 2022	State registration number	Project term
FACULTY OF BIOLOGY							
1	Ecological and genetic aspects of adaptation and genetic polymorphism of living systems	308	№91-18 from 26.01.21	Sabina CHEBOTAR, Doctor of Sciences in Biology, Full Professor s.v.chebotar@onu.edu.ua	Polymorphism in a number of gene-enzyme systems in different groups of organisms will be determined. The influence of pathogenic fungi on the gene-enzyme systems of wheat will be proven; animal test objects; prokaryotic organisms. The diagnostic ability of Drosophila as a test system for detection of the effects of drugs will be installed.	0121U109169	01.02.2021-31.12.2025
2	Study of the therapeutic and prophylactic properties of mollusc shells of the Black Sea	188	№3200-18 from 18.04.18	Olga MAKARENKO, Doctor of Sciences in Biology, leading Researcher makolga29@gmail.com flavan.ua@gmail.com	Research will be conducted and information presented on the features of calcium absorption in the digestive tract of laboratory rats with pathology. Data will be obtained on the effect of some negative factors on the state of animal bone tissue, as well as data on the effectiveness of the preventive action of new drugs from mollusk shells in	0118U000499	01.01.2019-31.12.2023

					combination with vitamins and minerals on the bone tissue of rats in case of alcohol intoxication, ovariectomy, cholestasis, AlCl ₃ intoxication		
3	Study of biologically active substances in the tissues of marine crustaceans	318	№2610-18 from 10.12.21	Serhii PETROV [*] , Doctor of Sciences in Biology, Full Professor [*] until September 1, 2022 kafbiochem@onu.edu.ua	<p>The antioxidant status of marine crustaceans will be studied, that will help characterize their condition under the influence of various environmental factors.</p> <p>The influence of temperature, concentration of inorganic salts and other environmental factors on the activity of glutathione reductase, superoxide dismutase and catalase in the organs of marine crustaceans will be studied.</p> <p>The content of TBA-active products in the organs of marine crustaceans under the influence of various environmental factors will be investigated.</p>	0122U000259	01.01.2022-31.12.2026
4	The current state of phytomycodiversity of ecosystems of natural and artificial origin in the South-West of Ukraine	174	№892-18 from 16.04.18	Fedir TKACHENKO, Doctor of Sciences in Biology, Full Professor botany@onu.edu.ua	<p>A generalization of new findings of plant species, fungi, and lichens will be carried out and information will be provided on the features of the development of agricultural plants in the conditions of 2022.</p> <p>A monograph will be prepared with the working title "Algae of the National Natural Park "Beloberezhye Svyatoslav".</p> <p>Materials on algae of small rivers of Ukraine and regarding the species composition of lichen biota and the range of plants under the programs "New perennials" and "Black Box Gardening" in</p>	0118U001785	01.05.2018-31.12.2022

					the conditions of the city of Odessa will be summarized.		
FACULTY OF ECONOMICS AND LAW							
5	Study of the mechanism of realization of human and civil rights and freedoms in public and private law	172	№3366-18 from 18.12.17	Olha HARAN (STUKALENKO), Doctor of Laws, Full Professor admin.kaf@onu.edu.ua olgast1@bigmir.net	Collect and systematize the bibliography on this issue, taking into account the challenges of the martial law in Ukraine. Investigate individual problems of ensuring the implementation of the rights, freedoms and interests of persons in public and private law, taking into account the challenges of martial law in Ukraine: in the temporarily occupied territories; in areas where active hostilities are taking place. To identify and summarize the grounds for improving the national legislation of Ukraine in the field of guaranteeing the realization of rights, freedoms and interests in modern conditions.	0118U001224	01.01.2018-31.12.2022
6	Ensuring the rights and legitimate interests of participants in legal relations arising in the field of private law: problems of theory and practice	175	№414-18 from 23.02.18	Ilona KANZAFAROVA, Doctor of Law, Professor, Honored Lawyer of Ukraine onucivil@gmail.com	Original ways of solving the problems of applying legal mechanisms to ensure the rights and legitimate interests of participants in legal relations arising in the field of private law regulation will be proposed.	0118U004432	01.03.2018-31.12.2022
7	Modern constitutionalism in the process of formation and development of	177	№818-18 from 06.04.18	Liubov KORCHEVNA, Doctor of Laws, Full Professor,	An analysis of the norms of the current legislation will be carried out on the subject of gaps and shortcomings in the organization and functioning of state authorities and local self-government	0118U001585	01.04.2018-31.12.2022

	Ukrainian statehood			korchevnaya_lo@onu.edu.ua	<p>bodies in Ukraine.</p> <p>Justification of the proposals for improving the constitutional principles of the functioning of state authorities and local self-government will be provided.</p> <p>The role of civil society in the further development of constitutionalism in Ukraine will be analyzed.</p>		
8	Study of the mechanism of criminal legal protection of the individual, society and the state from criminal encroachments	178	№1050-18 from 05.05.18	<p>Oleg CHUVAKOV, Doctor of Science of Law, Full Professor</p> <p>ygolovnoe_pravo@onu.edu.ua</p>	<p>The attribution of scientific and theoretical researches of scientific workers of the department to methodological directions and scientific schools will be carried out. The theoretical and methodological connections of scientific research with the criminal legislation of Ukraine will be established.</p> <p>The importance of the problem of the application of the study of the mechanism of criminal legal protection of the person, society and the state against criminal encroachments regarding many types of crimes will be determined for use in the activities of law enforcement agencies during the period of pre-trial investigation, investigative activity, judicial investigation, etc.</p>	0118U006967	01.05.2018-31.12.2022
9	Study of the processes of institutionalization of socio-economic	184	№1052-18 from 05.05.18	<p>Olga GORNIAK, Doctor of Economic Sciences,</p>	<p>Original approaches to the study of the essence of post-market institutionalization, definition of its significance and features in the modern economic system will be</p>	0118U007174	01.05.2018-31.12.2022

	activity in the conditions of the transformation of the economy			Full Professor olga.gornyak.et@gmail.com	proposed, which acts as a promising direction for the development of the theory and practice of institutional changes in the economic environment in perspective.		
10	Study on the development of socio-economic processes in Ukraine	196	№679-18 from 01.04.19	Olga POBEREZHETS, Doctor of Economic Sciences, Full Professor olga-poberezhec@ukr.net	<p>Polycentric factors of regional economic development will be identified and their impact on the standard of living of the population will be analyzed; ways of ensuring anti-crisis management at enterprises of various branches of the economy will be proposed.</p> <p>The theoretical and methodological foundations of managing the socio-economic development of the region in the conditions of the transition to sustainable development will be supplemented.</p> <p>Contradictions will be revealed and the trends of socio-economic development of Ukraine in the conditions of global transformations will be analyzed.</p>	0119U102221	01.04.2019-31.12.2023
11	Marketing systems and management technologies in conditions of multilevel convergence	208	№3176-18 from 18.12.19	Olena SADCHENKO, Doctor of Economic Sciences, Full Professor esadchenko@gmail.com	<p>The components of the main convergence options will be determined:</p> <ul style="list-style-type: none"> - convergence of products. If a product exists simultaneously in physical and digital form, convergence may lead to the displacement of one of the formats; - convergence of processes. The same process can be used to perform different functions that were previously performed by different processes. The process can no longer be divided into separate stages, several processes proceed not only 	0120U102481	01.01.2020-31.12.2024

					continuously, but also in parallel. This is an important argument in favor of the fact that e-business is not just an alternative channel, but a new market.		
12	Innovation and investment guidelines for the modernization of the national economy in the conditions of globalization	305	№216-18 from 17.02.21	Evgen MASLENNIKOV, Doctor of Economics, Full Professor evgenmaslennikov@onu.edu.ua	Develop a system of factors for the development of innovation and investment processes in the national economy; identify the problems of increasing the level of rationality of relationships between the subjects of regulation of socio-economic processes.	0121U109469	01.04.2021-31.12.2025
13	Study of financial institutions and tools for the development of the state, territories and business entities : theoretical, methodological and practical aspects	313	№ 922-18 from 07.06.21	Oksana SAVASTIEIEVA, Doctor of Economic Sciences, Professor, Associate Professor o.savasteeva@onu.edu.ua	The theoretical and methodological structure of the scientific study of financial institutions and tools for the development of the state, territories and economic entities will be improved. The comprehensive use of financial management theories in this research will be substantiated and the functional, organizational and instrumental aspects of the consistent solution of conceptual, methodological, methodical and practical tasks in this field will be represented.	0121U111580	01.04.2021 - 31.12.2024
14	National legal system of Ukraine: current state, trends and directions of development	309	№1304-18 from 16.07.21	Yevdokiia STRELTSOVA, Doctor of Science of Law, Associate Professor	An analysis of the current state of the national legal system of Ukraine and forecasting of its evolution and modernization under the influence of European integration and the European tradition of law will be carried out. It will be generalized and improved	0121U112814	01.07.2021-31.12.2025

				<p>streltsova@onu.edu.ua</p> <p>scientific approaches to determine the directions of development of teachings about state and legal institutions in Ukraine. The need for further research into historical prerequisites and the specifics of the influence of Western European ideas on the formation of political and legal ideas in Ukraine will be substantiated. The need for further research into historical prerequisites and the specifics of the influence of Western European ideas on the formation of political and legal ideas in Ukraine will be substantiated.</p> <p>Scientific approaches aimed at determining the directions of development of the judicial system of Ukraine will be generalized and improved.</p> <p>Problems of the development of the national legal system in the context of integration processes will be revealed, in particular, in the context of the fulfillment of economic obligations within the framework of the WTO and the free trade zone with the EU.</p> <p>The need to improve the implementation of Ukraine's international obligations in the context of the implementation of the Association Agreement between Ukraine and the EU of 2014 will be substantiated.</p> <p>The need to improve international public-law and private-law regulation of social</p>		
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					<p>relations with the use of the Internet will be substantiated.</p> <p>The need for further harmonization and implementation of the norms of legal acts of the European Union and international information law into the legislation of Ukraine will be argued. The need to clarify the definition of the concept of international environmental protection obligations and international crimes against the environment will be substantiated.</p> <p>The main means of ensuring the fulfillment of international obligations erga omnes will be established.</p> <p>The need to improve national and international legal mechanisms for ensuring and protecting human and citizen rights will be substantiated.</p>		
FACULTY OF HISTORY AND PHILOSOPHY							
15	Polyculturality of the population of the Odessa region in the historical and anthropological retrospective	193	№430-18 from 06.03.19	<p>Oleksandr [*] PRIHARIN , Doctor of Historical Sciences, Full Professor</p> <p>* until September 1, 2022 prigarin.alexand@gmail.com</p>	<p>Reconstructions of models of social practices that contributed to the persistence of polyethnicity and multiculturalism of certain environments of the Odessa region will be presented.</p> <p>Hypotheses about the comparative potential of revealing ethnicity will be substantiated.</p>	0119U103075	01.04.2019-31.12.2023

16	Ethnocultural processes in the Ukrainian Eastern Romanesque Borderlands	207	№1167-18 from 29.05.19	Viacheslav KUSHNIR, Doctor of Historical Sciences, Full Professor v_kushnir@ukr.net	The existence of Ukrainian and Eastern Romance local and regional ethno-cultural complexes will be proved, the forms of communication and their role in the development of the traditional culture of Ukrainians and Romanians will be determined.	0119U102566	01.06.2019- 31.12.2023
17	Evolution and revolution in modern and recent history	173	№109-18 from 19.01.18	Oleg DYOMIN, Doctor of Historical Sciences, Full Professor dyomin.ob@onu.edu.ua olegborisovich.domin@gmail.com	Based on the application of modern methodologies, models of the reaction of a number of European countries regarding manifestations of revolutions during the 16th - 20th centuries will be considered. The manifestations of the introduction in several of European regions of the evolutionary and revolutionary ways of internal social development in the 19th - 20th centuries will be analyzed.	0118U004431	01.03.2018- 31.12.2022
18	European Political Tradition: Theory and Practices (5th century BC - 17th century)	180	№894-18 from 16.04.18 (until September 1, 2022) №1735-18 from 30.09.22 (from September 1, 2022)	Iryna NEMCHENKO, Candidate of Historical Sciences, Associate Professor Oleg LUGOVYI, Candidate of Historical Sciences, Associate Professor lugowy@ukr.net	Theoretical conclusions will be given from the history of political and legal thought, the history of foreign policy, diplomatic and military-political events, the history of the domestic policy of the countries of Western and Southern Europe in the era of antiquity, the Middle Ages and early modern times.	0118U006477	01.05.2018- 31.12.2022
19	Steppe Ukraine	321	№135-18 from	Olena SMYNTYNA,	Sources for the reconstruction of the historical and cultural development of the	0122U200056	01.01.2022-

	in Prehistory		21.01.2022	Doctor of Historical Sciences, Full Professor smyntyna_olena@ onu.edu.ua	Steppe Ukraine in Prehistory will be identified and summarized. The collection and systematization of bibliography on this issue will be carried out, the main milestones in the history of the study of this issue in Ukrainian science and abroad will be identified.		31.12.2026
20	Formation of modern society in the south of Ukraine in the world context: origins, trends, phenomena	325	№542-18 from 20.04.2022	Vadym KHMARSKYI, Doctor of Historical Sciences, Full Professor khmarskyi@onu.edu.ua	Conclusions will be presented regarding the theoretical problems of modernity, historiographical assimilation and source support for the study of modern phenomena in the socio-economic field, processes and manifestations of modernity in the socio-political field, and the transformation of the modern socio-cultural field.	0122U200054	01.02.2022- 31.12.2026
FACULTY OF JOURNALISM, ADVERTISING AND PUBLISHING							
21	Conflictogenicity of the modern information space and media technology for conflict resolution in conditions of global and local risks	314	№1215-18 from 05.07.21	Olena IVANOVA, D Sc. (Social Communications) Full Professor journalist_fac@onu.edu.ua	The influence of the newest media on the formation of information inequality and the grounds for the segregation of the information and social spaces and on resolving the problem of the conflict potential of society will be studied. The collection and systematization of information from users of the latest media and the identification of the reasons for the formation of sociocultural communities will be carried out.	0121U112808	01.06.2021- 31.12.2026

FACULTY OF MATHEMATICS, PHYSICS, AND INFORMATION TECHNOLOGIES

22	Numerical methods for solving problems of mechanics and computer vision	187	№1337-18 from 05.06.18	Victor REUT	Issues of the effectiveness of some numerical methods for solving singular integral equations will be investigated.	0118U001789	01.07.2018- 31.12.2022
			№863-18 from 20.06.22	Victor VERBITSKIY, Candidate of Physical and Mathematical Sciences, Associate Professor docverb@gmail.com	The quality of the result of the proposed methods and algorithms for solving computer vision problems will be investigated.		
23	Modeling of random heterogeneous and fluctuationally inhomogeneous systems and diagnostics of their electrical and optical characteristics	304	No 1730-18 of 22.09.20	Myroslav SUSHKO, Candidate of Sciences in Physics and Mathematics, Associate Professor	<p>Develop a method for calculating photon transport characteristics (the scattering and transport mean free paths and anisotropy parameter) in concentrated suspensions of inhomogeneous particles.</p> <p>Develop models for the electrical conductivity of suspensions with different microstructural types of the of electrical double layer.</p> <p>Carry out an analysis of critical opalescence spectra in simple fluids with consideration for traditional (single, double, that due to anisotropy fluctuations) and non-traditional (1.5 and Andreev) scattering mechanisms.</p>	0120U104105	01.10.2020- 30.09.2023

24	Solvable models of quantum mechanics for the study of electronic excitations and transport phenomena in nanostructures	302	№1730-18 from 22.09.20	Vadym ADAMYAN (Adamjan,Adamian) Doctor of Physical and Mathematical Sciences, Full Professor DTP@onu.edu.ua vadamyan@onu.edu.ua	It is planned to obtain a description of the influence of quasi-one-dimensional paramagnetic structures on the one-electron spectrum, charge and spin conductivity, and magnetic properties of electronic nanocircuits with the development of algorithms for solving coupled scattering problems for particles with spin.	0120U104119	01.10.2020- 30.09.2023
25	Morphology and dynamics of multicomponent systems	303	№1730-18 from 22.09.20	Elena PANKO, Doctor of Physical and Mathematical Sciences, Full Professor panko.elena@gmail.com	The inner structure of rich galaxy clusters and quantitative parameters describing the structure of galaxy clusters will be investigated. Photometric and other parameters of some obscured binary stars will be determined. The chemical composition of two physical variable stars belonging to different Galaxy' subsystems will be determined.	0120U104575	01.10.2020- 30.09.2023
26	Computer technologies, systems, components: modeling and software	306	№2450-18 from 17.12.20	Yurii (Yuriy) GUNCHENKO, Doctor of Sciences (Tech.), Full Professor gunchenko@onu.edu.ua	The developed methods of software for intelligent and specialized computing systems will be proposed. Performing a comprehensive analysis of specialized systems, evaluating the results of the analysis. Based on these results, test modeling of computer technologies, systems and components will be carried	0121U110545	01.01.2021- 31.12.2024

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27	Static and dynamic problems for bodies of canonical form with defects	307	№469-18 from 25.03.21	Nataliya VAISFEL'D (VAISFELD), Dr. Sci. in Physical and Mathematical Sciences, Full Professor mdttde@onu.edu.ua	Displacements and stresses arising in bodies under the influence of loads of various types will be investigated. Static problems of the theory of elasticity and problems of steady and non-stationary vibrations of strips and spaces weakened by defects will be considered. The nature of the solution feature and stress intensity coefficients will be revealed.	0121U111664	01.05.2021-31.12.2024
28	Methods, models, information technologies of distributed support systems for organizational decision-making	311	№804-18 from 25.05.21	Eugene (Yevhenii) MALAKHOV, Doctor of Sciences (Tech.), Full Professor Eugene.Malakhov@onu.edu.ua	Modeling of information processes and functional levels of distributed intelligent information systems of organizational management (DInIS OM) will be carried out. Methods for building business process diagrams in BPM systems will be developed based on the conversion of the enterprise description using production functions and mathematical models of business processes into the language of business process description of BPM systems. Mathematical models of the description of the enterprise as an organizational structure will be built, using production functions, as well as mathematical models of business processes, taking into account the problem of joint modeling of financial, transport and material flows of production factors, products produced at the outputs	0121U111663	01.05.2021-31.12.2025.

					<p>and inputs of process links, as well as of the entire process as a whole.</p> <p>A model of a multi-level distributed system for collecting, processing and providing operational information for decision-making in emergency situations will be built. A model of an intelligent system of collection, processing and intelligent analysis of the accumulated data will be built to make recommendations and support decision-making. A method of using various machine learning models within decision making support systems will be developed. A model of fuzzy reasoning of the logical inference process for decision-making based on incomplete and fuzzy information will be built.</p> <p>The distributed levels functions simulation of the cloud IoT system will be carried out.</p>		
29	Thermophysical and chemical processes in multicomponent and multiphase environments	320	№62-18 from 17.01.22	<p>Valery KALINCHAK, Dr. Sci. in Physical and Mathematical Sciences, Full Professor chernalex@ukr.net</p>	<p>The results of the study of the evaporation process of lower alcohols single drops (ethanol, butanol and their binary mixtures) with an initial droplet size of 1.5-2.5 mm in heated air and at room temperature at atmospheric pressure will be presented.</p> <p>It is planned to study the temperature-current dependences of a thin platinum wire, on the surface of which acetone vapor impurities are oxidized in air at room</p>	0122U000687	01.01.2022-31.12.2026

					<p>temperature.</p> <p>The description of the critical conditions for the catalytic spontaneous combustion and extinction of acetone will make it possible to estimate the kinetic parameters of the oxidation reaction.</p> <p>The temperature dependence of fuel oil-hydrogen emulsions will be experimentally investigated.</p> <p>An express method (porous ball method) will be proposed to determine and compare the specific burning rates of liquid fuels. Comparison of results by different methods: "stationary sphere" method, "suspended drop" method, combustion in a tube, combustion from a flat free surface.</p>		
FACULTY OF INTERNATIONAL RELATIONS, POLITICAL SCIENCE AND SOCIOLOGY							
30	Global, regional and local factors of formation of the modern system of international relations	189	№72-18 from 17.01.19	Igor KOVAL, Doctor of Political Sciences, Full Professor brusylovska@gmail.com	The list of factors that determine the directions of international activity and cooperation between state and non-state actors at the local level will be classified, and the specifics of their influence on the further development of the modern system of international relations will be described.	0118U000500	01.01.2019- 31.12.2023
31	The study of social solidarity as a path to a social contract	194	№274-18 from 18.02.19	Vitaliy ONISCHUK, Doctor of Social Sciences, Full Professor	The data of the factual material of the Southern region of Ukraine (Odessa region) concerning the compact residence of national minorities, the religious situation, ethno-cultural and social space will be presented.	0119U102432	01.03.2019- 31.12.2023

32	Financial policy as a factor of socio-economic development of countries	317	№2015-18 from 08.10.21	Serhiy YAKUBOVSKIY, Doctor of Economic Sciences, Full Professor yonik@ukr.net	<p>Theoretical and methodological approaches to determining the main instruments of an effective financial policy of the state will be summarized.</p> <p>Classical and Keynesian tools will be systematized.</p> <p>A list of modern relevant instruments of the state's financial policy will be obtained, which are advisable to use in practice at each phase of the economic cycle.</p>	0121U113869	01.10.2021-31.12.2026
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FACULTY OF PSYCHOLOGY AND SOCIAL WORK

33	The study of modifications of the development of Ukrainian society in the context of European integration	182	№916-18 from 18.04.18	Larisa DUNAYEVA, Doctor of Political Sciences, Professor larisa-dunayeva@onu.edu.ua	<p>Scientific results of the stage:</p> <p>In the research work will be clarify certain aspects of the development of ethnic and national culture of Ukrainian society, social and political activity of youth.</p> <p>Will be investigated the impact of the cultural and historical heritage and experience of foreign countries on the further development of statehood in Ukraine.</p> <p>The historical aspects of the formation of various cultures and ethnic groups living on the territory of modern Ukraine, as well as the historical aspect of the formation of various states of the modern world, will be investigated.</p>	0118U006968	01.05.2018-31.12.2022
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					<p>Further directions of cultural and historical research of the modern society of Ukraine and the world will be determined.</p> <p>Practical results of the reseach:</p> <p>scientific publications in specialized publications - 15 articles; reports at conferences of various levels - 20 speeches; conducting seminars on the topic of the departments - 1 joint seminar of the departments of social work and social theories; holding of conferences – 1 conference (annual student conference of ONU).</p>		
34	Dynamics of personality development in the temporal scan of life	181	№1045-18 from 04.05.18	<p>Zoia KIREIEVA, Doctor of Psychological Sciences, Full Professor</p> <p>z.kireeva@gmail.com</p>	<p>The features of determining the need for psychological assistance during critical periods of life will be revealed. Art therapy technologies of personal growth in the process of a person's own life creation will be considered.</p> <p>Psychological technologies related to the support of the individual during the life path will be studied. Practical recommendations for psychologists working with representatives of various social groups will be developed.</p>	0118U001786	01.05.2018-31.12.2022
35	Socio-psychological adaptation and psychological support of persons engaged in special	185	№1065-18 from 07.05.18	<p>Eduard PSYADLO, Doctor of Biological Sciences,</p>	<p>The following will be tested: a training program on the problems of social and psychological adaptation and psychological support of persons engaged in special types of activities; and psychosocial stress</p>	0118U001788	01.05.2018-31.12.2022

	activities			Full Professor psiadloem@gmail.com	curriculum.		
36	Self-determination of subjects of social contexts	192	№3414-18 from 28.12.18	Valentina PODSHIVALKINA, Doctor of Social Sciences, Full Professor podshyvalkina@hotmail.com	For the first time, the following will be investigated: social and psychological contexts of an individual's life; self-determination as a component of the inner world of an individual in social contexts; factors of the development of self-determination of the individual in the process of interactive learning methods; factors of personal responsibility in traumatic contexts. For the first time will be discovered: features of the subject's self-determination potential in a multilingual environment; determinants of the formation of the ability to perceive psychological paradoxes in normal and developmental disorders; general and special features of self-determination of subjects of various social activities of the border region; revealed features of self-determination of the individual in professional activity. For the first time will be discovered: peculiarities of personality self-determination in adolescence and adulthood; personality determinants of a healthy lifestyle; gender differences in children's behavior in the educational	0119U002459	01.03.2019-31.12.2022
			№ 18 from 2022	Капиталина DEMENTIEVA, канд. психол. наук, Associate Professor dkg0904@i.ua			

					<p>environment as a state of psychological health impairment.</p> <p>For the first time, it will be developed: means of activating paradoxical thinking in order to create new meanings of social contexts; means of self-determination of the individual in the optimization of experiences; system of diagnosis of features of the formation of self-determination of deviant behavior of the individual.</p>		
37	The study of the psychological health of the personal : sanocentric approach	319	№2782-18 from 30.12.21	<p>Natalia RODINA, Doctor of Psychological, Professor</p> <p>natalia_rodina@onu.edu.ua</p>	<p>The theoretical and methodological approaches to determining the determinants of the formation of the psychological health of an individual from the standpoint of a health-centric approach will be summarized.</p> <p>The development of mental functions of children with learning difficulties will be analyzed and recommendations will be developed for the correction of psychomotor functions in children with learning difficulties.</p> <p>Ideas about a prosperous, self-sufficient, successful and resilient personality will be updated.</p> <p>The theoretical and methodological principles of personal and group factors of psychological well-being of social service workers will be summarized.</p>	0122U000260	01.01.2022-31.12.2025

					<p>It will be determined: criteria for conducting a study of the psychological conditions of the well-being of the individual; causes of eating disorders; determinant of the formation of personal autarky; psychological aspects of personal success depending on time management, factors of personal resilience.</p> <p>The efficiency parameters of the proposed corrective and training programs will be determined.</p>		
FACULTY OF ROMANCE AND GERMANIC PHILOLOGY							
38	Systemic-structural and discursive-cognitive studies of the English-language picture of the world	190	№614-18 from 26.03.19	<p>Irina KOLEGAEVA Doctor of Philology, Full Professor</p> <p>lexiskafedra@onu.edu.ua</p>	<p>The main principles of structural, functional, pragmatic and cognitive approaches to the consideration of the meaning of nominative units will be developed.</p> <p>Modern research methods in onomasiology will be developed.</p> <p>Various groups of English vocabulary will be analyzed in structural, cognitive and functional aspects.</p> <p>The 3rd All-Ukrainian Scientific and Practical Conference "Modern Studies in Romance and Germanic Philology" will be held.</p>	0119U002438	01.04.2019-31.12.2023
39	Study of prosodic characteristics of oral English-language discourse	191	№618-18 from 26.03.19	<p>Nina KRAVCHENKO, Doctor of Philology, Full Professor</p>	<p>An algorithm for phonetic reconstruction of the prosodic structure of academic discourse has been developed.</p> <p>An algorithm for phonetic reconstruction of the prosodic structure of</p>	0119U002439	01.04.2019-31.12.2023

				phoneticsdepartment@onu.edu.ua	media discourse has been developed.		
40	Linguoculture and identity from the cognitive discursive research perspective.	198	№673-18 from 01.04.19	Olena MATUZKOVA, Doctor of Philological Sciences, Full Professor kafedra.perevoda@onu.edu.ua	The categorical apparatus of modern linguoculturology will be clarified. The theoretical and methodological principles of the cognitive-discursive linguoculturological approach to the study of identity will be substantiated.	0119U002440	01.04.2019-31.12.2023
41	Study of the variation of communicative units in the conditions of the German space	199	№674-18 from 01.04.19	Iryna KULINA, PhD in Linguistics, Associate Professor kafedranemfil@gmail.com	The meaning of pluricentrism in the modern German-speaking space will be clarified. The theoretical and methodological principles of linguistic research of communicative units will be substantiated in the conditions of pluricentrism.	0119U002441	01.04.2019-31.12.2023
42	The study of foreign literature in the system of literary knowledge schools	200	№675-18 from 01.04.19	Nataliia (Natalya) DOLGA, PhD in Linguistics, Associate Professor dollnat08@gmail.com	Issues of the effectiveness of comparative typology will be covered in the context of comparative studies. The theoretical reflection of the Ukrainian-European intercultural dialogue in modern literary criticism will be described. The typological aspects of the genre comparison of Ukrainian and world literature will be summarized. The dynamics of genre transformations in the literary process of the 20th - 21st centuries will be substantiated.	0119U002442	01.04.2019-31.12.2023
43	Education of adult in Ukraine and the	201	№678-18 from	Olga TSOKUR,	Traditional models of implementation of adult education in Ukraine and the world will be summarized.	0119U002443	01.04.2019-31.12.2023

	world		01.04.19	<p>Doctor of Pedagogy, Full Professor</p> <p>kafedpedagog@onu.edu.ua</p> <p>scokur@ukr.net</p>	<p>Innovative approaches to organizational-methodical and didactic-technological provision of adult education in Ukraine and the world will be specified.</p> <p>The means of monitoring the quality of adult education in Ukraine and the world will be systematized.</p> <p>Andragogic models of professional and postgraduate training of specialists will be developed.</p>		
44	Semantic-cognitive and functional-pragmatic research of the French language	202	№721-18 from 03.04.19	<p>Malvina MARINASHVILI, PhD in Linguistics, Associate Professor</p> <p>malvimari@ukr.net francais@onu.edu.ua</p>	<p>The structural and compositional specifics of R. Keno's works will be established.</p> <p>Their grammatical and lexical-stylistic features will be revealed and characterized.</p>	0119U002444	01.04.2019-31.12.2023
45	Cognitive and pragmatic aspects of the study of language units in different types of discourse	203	№731-18 from 03.04.19	<p>Elena KARPENKO, Doctor of Philology, Full Professor</p> <p>english.grammar.dept@onu.edu.ua</p>	<p>The concept of the minimum unit of language communication will be defined and substantiated. The typology of language units in different types of discourse will be clarified and expanded.</p> <p>The systematic organization of discourse components will be analyzed, taking into account its essential defining features.</p> <p>A cognitive-paradigmatic analysis of the structure and semantics of language units in different types of discourse will be created.</p> <p>A taxonomy of linguistic-cognitive sentence models by type of language communication will be proposed.</p>	0119U002445	01.04.2019-31.12.2023
46	Comprehensive study of the formation of foreign	204	№730-18 from	<p>Olena VASYLCHENKO</p>	<p>Modern means and media will be analyzed.</p> <p>The expediency of their use will be</p>	0119U002446	01.04.2019-31.12.2023

	language professionally oriented communicative competence		03.04.19	PhD in Linguistics, Associate Professor elena.vasylchenko@onu.edu.ua	established, taking into account the abilities and inclinations of students.		
47	Methods of teaching a foreign language for field-specific and academic purposes	205	№722-18 from 03.04.19	Liudmila DOBROVOLSKAYA, PhD in Pedagogy	Modern methods of teaching English, German, French, Modern Greek for field-specific and academic purposes were applied, the results were reported at the 8 th international scientific and practical conference "Actual Issues of Linguistics and Methods of Teaching Foreign Languages", dedicated to the memory of the Doctor of Pedagogical Sciences, Professor Vladimir Skalkin (April 2022).	0119U002447	01.04.2019-31.12.2023
			№ ...-18 from 11.2022	Natalia BIGUNOVA Professor, Doctor of Philological Sciences natalbig@ukr.net			
48	Research on the Spanish language (the problems of translation and the innovations in teaching methods)	206	№723-18 from 03.04.19	Lyudmila GRYNKO, Candidate of Sciences in Spanish Philology, Associate Professor catedra.espanol@onu.edu.ua	The latest methods of teaching Spanish as a foreign language will be tested and introduced into the teaching process, taking into account the experience of Spain. <i>The practical outcomes are as follows:</i> - 8 articles and report theses are to be published, two of which will be issued in the professional bulletins, and the remaining ones in the other publications; - 1 scientific conference for the academic staff and 1 scientific conference for the students are to be held; - 24 term papers, as well as 2 master's theses are to be defended; - 2 articles are to be written by the Masters of Arts of the Department of	0119U002448	01.04.2019-31.12.2023

					Spanish Philology in cooperation with the teaching staff of the aforementioned department.		
FACULTY OF PHILOLOGY							
49	Borderlands as a Phenomenon in a Work of Art and in Literary Methodology	312	№904-18 from 03.06.21	Valentina MUSII (MUSIY), Doctor of Philology, Full Professor valentinanew2016@gmail.com	<p>The content of the category “borderline” cultural-historical epoch (artistic system, method, direction) and signs of borderline (transitional) epochs and trends (neoclassicism, pre-romanticism, neo-romanticism, neorealism, etc.) in the development of literature will be determined. Hypotheses of signs of transitivity in the artistic activity of word artists will be formed.</p> <p>It is planned to develop a theoretical basis for defining the content of the category "transitional cultural-historical era", "transitional artistic system" and signs of transition (dramatism, multi-vectority, shockingness, haographicity, destruction of canons, sharp confrontation between stable artistic paradigms and the formation of elements of a new paradigm, increasing attention to game strategies and etc.).</p> <p>The content of the "Borderland" category will be detailed in relation to the historical and cultural era, literary direction, style; features of artistic systems specific to border eras and trends will be identified and systematized.</p>	0121U111788	01.06.2021-31.12.2026

					<p>The theoretical provisions of the characteristics of transitional artistic systems (neoclassicism, preromanticism, neoromanticism, etc.) will be studied.</p> <p>The circle of researched artistic phenomena will be outlined through the prism of existing theoretical provisions regarding the essence of foreign phenomena, clarification and development of the theoretical foundations of understanding the phenomenon of Borderlands (art works, author manifestos and articles) during the transition from the Middle Ages to the Renaissance, from the Enlightenment to Romanticism, the era of the end of the XIX-early 20th century, modern times.</p>		
50	The study of discursive specifics of communicative influence	197	№1397-18 from 20.06.19	<p>Tatiana KOVALEVSKA (Tetiana, Tatyana)</p> <p>Doctor of Philology, Full Professor</p> <p>kafukrmovaonu@ukr.net tetiana.kovalevskaya@gmail.com</p>	<p>The conceptual provisions of the fundamental theory of communicative influence in various discourses will be systematized and verified, the basic suggestive markers of verbal and non-verbal levels and the peculiarities of their situational use will be determined, and the conclusions of the study will be structured.</p> <p>Developed anti-manipulative strategies and tactics in current discourses will be tested.</p>	0119U103569	10.06.2019-31.12.2023
51	The research of text-discursive	183	№964-18 from	Nataliia (Nataliya) KONDRATENKO,	<p>The concept and methodology of the analysis of text-discursive units will be</p>	0118U001787	01.05.2018-31.12.2022

	units: theoretical and applied aspects		24.04.18	<p>Doctor of Philology, Full Professor</p> <p>prykladna.lingv@onu.edu.ua kondr_nat@ukr.net</p>	<p>developed, the categorical-conceptual parameters of discourses and their main categories will be distinguished.</p> <p>At the applied level, the methodology of conducting linguistic examinations will be presented.</p>		
52	The study of discursive practices in Ukrainian literature of the XIX-XXI centuries	195	№1301-18 from 12.06.19	<p>Tatiana SHEVCHENKO (Tetiana, Tatyana)</p> <p>PhD in Linguistics, Associate Professor</p> <p>shtn75@ukr.net</p>	<p>It is planned to develop the concepts of "communicative situation", "communicative competence of utterance", "conformity of the discourse to the communicative situation as a certain type of modality".</p> <p>It is planned to study the corpus of texts of Ukrainian literature of the 20th and early 21st centuries from the point of view of discursiveness, to clarify the content of the concept of "discursive practices".</p> <p>Approaches to various, including syncretic, discursive practices will be developed. The theoretical basis for the understanding of discursive practices in the mentative-narrative discourse will be developed and they will be outlined as a productive artistic discourse of Ukrainian literature of the specified period.</p>	0119U103568	01.09.2019-31.12.2023
53	Linguoculturological and Lexicographical Aspects of Linguistic Training of Foreigners	324	№425-18 from 28.03.22	<p>Nataliia AREFIEVA,</p> <p>Doctor of Philological Sciences, Associate</p>	<p>The concept of linguoculturological and lexicographical approaches in the process of linguistic training of foreigners in institutions of higher education will be developed. The phenomenon of the connection between language and culture</p>	0122U002403	01.02.2022-31.12.2026

				<p>Professor n.arefieva@onu.edu.ua</p>	<p>will be considered in the context of language acquisition by foreigners at all stages of studying in institutions of higher education.</p> <p>Familiarization with the main philosophical, culturological, linguistic and didactic sources related to the study of linguoculturological and lexicographical approaches in the aspect of linguistic training of foreigners is planned, as well as compiling a bibliographic reference.</p> <p>The content of the categories "linguoculturological approach" and "lexicographic approach" in the aspect of linguistic training of foreigners will be determined.</p> <p>The theoretical basis for the introduction of linguoculturological and lexicographical aspects into the practice of linguistic training of foreigners will be developed.</p>		
54	Actual problems of slavic languages and literatures in synchrony and diachrony	327	№1027-18 from 30.06.22	<p>Olena VOITSEVA, Doctor of Philology, Full Professor vlen@meta.ua</p>	<p>Linguistic, cultural-historical, literary knowledge of the Slavic peoples, which enables an understanding of the values created by them and reflected in written texts of various genres and styles, is to be investigated.</p> <p>The problems of ethnogenesis and glottogenesis of Slavs are to be analysed. The research work is to be carried out using</p>	0122U200726	01.07.2022-31.12.2026

				<p>methods of comparative analysis of speech, word-formation, phrase-making and linguistic behavior of representatives of the Slavic peoples in similar communicative situations, analysis of differences in the modern vocabulary and grammar of Slavic standard languages and differences in the formation, functioning and perception of the Slavic territorial and social dialects.</p> <p>The place and role of dialectological paradigmatics and syntagmatics in the development of modern Slavic standard languages (Bulgarian, Ukrainian, and others), Slavic studies in a multicultural world will be determined. The structure of dialectological paradigmatics and syntagmatics will be improved due to the analysing of the dialect speakers' speech collected by audio recordings.</p> <p>Actualization of the specific types of linguistic picture of the world present in different Slavic languages due to applying of cognitive, ethnolinguistic, linguocultural, genderological, linguistic-pragmatic aspects is to be performed. Comparative discursive analysis of modern Slavic languages is to be carried out.</p> <p>Methods of teaching the Slavic languages at school and at higher educational institutions will be improved.</p>		
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FACULTY OF GEOLOGY AND GEOGRAPHY

55	Features of the formation of regional recreational complexes in the Ukrainian Black Sea region	316	№1275-18 from 05.10.21	<p>Oleksandr TOPCHYIV, Doctor of Geographical Sciences, Full Professor</p>	<p>Methodological bases for research and evaluation of the recreational tourism potential of regional, subregional and local recreational complexes will be substantiated and proposed.</p> <p>Methodological principles of consideration of the conditions and resources of recreational and tourist activity will be formulated, taking into account the analysis of the current state, the inventory of recreational goods, and the identification of methodological and methodical difficulties in assessing the recreational and tourist potential.</p> <p>An analysis of the basic categories of recreational and tourist activities, an analysis of network and cluster forms of recreational and tourist activities in the Ukrainian Black Sea region will be carried out.</p>	0121U113483	01.09.2021-31.12.2025
56	Anthropogenic changes on the coast of the classical liman type (on the example of the Black and Azov Seas within Ukraine)	328	№1128-18 from 12.07.22	<p>Yuri SHUISKY Doctor of Geographical Sciences, Full Professor</p> <p>physgeo_onu@ukr.net</p>	<p>New and restored stationary sites for coastal systems monitoring would be organized in the conditions of modern climate changes and the impact of anthropogenous activity on the coasts of the Black and Azov Seas within Ukraine.</p> <p>An analysis of the preliminary information that published in the scientific literature on the morphology and dynamics</p>	0122U201195	01.07.2022-31.12.2026

					<p>of the Black and Azov seas within Ukraine, current climate changes, the intensity of erosion processes on main land, etc. will be analyzed.</p> <p>Primary information on anthropogenous impact on the coast of would be obtained; collection and analysis of data from stationary meteorological observations (thermal regime, wind regime, wave regime, humidification regime) on the coast of the Black and Azov Seas within Ukraine.</p>		
FACULTY OF CHEMISTRY AND PHARMACY							
57	Synthesis and properties of condensation products of substituted naphthalic acid anhydrides with aromatic and aliphatic diamines	301	№566-18 from 24.03.20	<p>Nadiia FEDKO (FED'KO),</p> <p>Ph.D. in Chemistry, Associate Professor</p> <p>fedko@onu.edu.ua</p>	<p>Alkyl- and dialkylamino-substituted naphthoylen-1',2'-benzimidazoles will be synthesized by the reaction of 4-mono- and 4,5-dihalo-substituted 1,8-naphthoylene-1',2'-benzimidazoles with primary and secondary amines.</p> <p>Various options for the assembly of 1,8-naphthoylene-1',2'-benzimidazoles with alkoxy groups in positions 4 and 4 and 5 using cyclocondensation reactions of alkoxy naphthalic anhydrides with o-phenylenediamine and reactions of nucleophilic substitution of a halogen atom an alkoxy group in 1,8-naphthoylene-1',2'-benzimidazoles will be studied.</p> <p>The physical and chemical properties of the obtained naphthoylene-1',2'-benzimidazoles with electron-donating substituents will be investigated and the possibility of using these compounds as</p>	0120U102722	01.04.2020-31.12.2024

					phosphors will be studied.		
58	Study of the structure and functional properties of nanostructured oxides and metal complexes of transition metals	310	№162-18 from 09.02.21	Tatyana RAKITSKAYA, Doctor of Chemical Sciences, Full Professor, Honoured Scientist of Ukraine, Academician of the Engineering Academy of Ukraine tlr@onu.edu.ua	<p>The structure, structural-adsorption, physico-chemical and catalytic properties of samples of M-OMS-impr and Cu(II)-Pd(II)/vermiculite and complexes of maleates of 3d metals with thiosemicarbazide will be investigated.</p> <p>Data will be obtained on the effect of the nature of the 3d-metal and the concentration of ozone on the kinetics of low-temperature decomposition of ozone by samples of doped cryptomelane obtained by impregnation.</p> <p>The phase and elemental composition, morphology, adsorption and catalytic properties of vermiculite and cuprum-palladium catalysts based on it will be established before and after the reaction with CO.</p> <p>The composition and structure of coordination compounds of 3d-metal maleates with thiosemicarbazide will be established, and the spectral properties of the complexes will be studied.</p>	0121U109168	01.03.2021 - 31.12.2025
59	Chemical transformation of synthetic mesosubstituted porphyrins and their	315	№1252-18 from 08.07.21	Yuri ISHKOV, Doctor of Chemical Sciences, Full Professor	It is planned to study the interaction of β -acroleinyl-meso-tetraphenylporphyrin with aliphatic symmetrical ketones and with aryl-alkyl ketones. The condensation reaction of metal complexes of 2-acroleinyl-meso-tetraphenylporphyrin with CH acids	0121U113266	01.07.2021- 30.06.2026

	metal complexes			fedko@onu.edu.ua	<p>will be investigated. Metal complexes (Cu, Zn, Ni) of <i>cis</i>- and <i>trans</i>-acroleinyl-meso-tetraphenylporphyrin will be synthesized and their Claisen-Schmidt condensations with ketones containing β-methylene group will be carried out. It is planned to obtain the required amount of metal complexes (Cu, Zn, Ni) of <i>trans</i>-acroleinyl-mesotetraphenylporphyrin.</p> <p>The possibility of synthesizing metal complexes (Cu, Zn, Ni) of <i>cis</i>-acroleinyl-mesotetraphenylporphyrin and obtaining them in the required amount will be investigated.</p>		
60	Scientific substantiation and improvement of physicochemical methods for extracting and concentrating some valuable components and pollutants from solutions	322	№128-18 from 21.01.2022	<p>Olena STRELTSOVA, Doctor of Chemistry, Professor</p> <p>elen_streltsova@onu.edu.ua</p>	<p>The process of adsorption of surfactants of different nature by solid sorbents (clay, paraffin, artificial fibers) will be substantiated and improved.</p> <p>Based on the study of the main patterns of adsorption of surfactants by solid sorbents of various nature, thermodynamic and kinetic analysis, modeling of the process and determination of its mechanism will be carried out.</p>	0122U002300	01.01.2022-31.12.2025
61	Development and improvement of combined methods of quality control of pharmaceuticals, food products and	323	№127-18 from 21.01.2022	<p>Denys SNIGUR, Ph.D. in Chemistry, Associate Professor</p>	<p>The properties of a number of benzopyrylium derivatives will be synthesized and studied, namely, their chemical-analytical characteristics and features of interaction with ions of p- and d-elements.</p>	0122U002302	01.01.2022-31.12.2026

	environmental objects			270892denis@gmail.com	<p>Preconcentration conditions a number of target analytes, including antibiotics, will be established.</p> <p>Methods for the voltammetric determination of food dyes will be developed.</p>		
62	Pharmacological correction of simulated pathological conditions through the use of developed dosage forms	326	№920-18 from 27.06.2022	<p>Alona TSISAK (Alona KOBERNIK)</p> <p>Ph.D. in biology, Associate Professor</p> <p>kobernik@onu.edu.ua</p>	<p>A search for promising medicinal plant material (MRP) will be conducted among the genus Fabaceae (<i>Styphnolobium japonicum</i>, <i>Caesalpinia echinata</i>, <i>Alibizia fulva</i>) and the genus Juglans (<i>Juglans nigra</i>, <i>Juglans regia</i>). Phytochemical analysis of raw materials will be carried out with identification by pharmacopoeial methods (high-performance liquid chromatography (HPLC)) and specially selected methods (Belykov, Folina-Chocalteu method, etc.) of the component composition and quantitative content of biologically active substances (BAS).</p>	0122U200545	01.07.2022-31.12.2026
63	Chemical construction of organo-inorganic ensembles of coordinating, supramolecular, polymeric nature for use as new materials and pharmaceuticals	329	№1579-18 from 16.09.2022	<p>Olena (Elena) MARTSINKO,</p> <p>Doctor of Chemical Sciences, Full Professor</p> <p>martsinkoelena@gmail.com</p>	<p>Supramolecular salts of Fe(II)/Co(II)/Ni(II)/Cu(II)/Zn(II) 1,10-phenanthroline cations and complex tartratetostannate (IV) anions will be synthesized. Their antimicrobial activity and influence on the activation of certain enzymes will be established. The ways of obtaining will be determined, the composition, structure and properties of six different metal-mixed ligand complexes of germanium (IV) and rare earth metals (Pr, Nd, Dy, Ho, Tm, Lu) with 1-hydroxyethylidene diphosphonic acid and 2,2'-bipyridine will be determined.</p>	0122U201403	01.10.2022-31.12.2026