MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE LVIV POLYTECHNIC NATIONAL UNIVERSITY

«APPROVE» Rector of Lviv Polytechnic National University Bobalo Y. 2023

EDUCATIONAL AND SCIENTIFIC PROGRAM

«Information, Library and Archival Studies»

LEVEL OF HIGHER	the third (educational and scientific) level
EDUCATION DEGREE OF HIGHER	Doctor of Philosophy
EDUCATION	
FIELDS OF KNOWLEDGE	02 Culture and Art
SPECIALTY	029 Information, Library and Archival Studies

Considered and approved Academic Council of the University from _____ Minutes № ____ Developed by the working group on quality assurance of the educational and scientific program, which trains applicants at the third (educational and scientific) level of higher education in the specialty 029 Information, Library and Archival Studies consisting of:

Head of the Working Group (guarantor):

Komova M.V., Ph.D., associate professor of the SKIA department

Members:

Zhezhnych P., DScTech., Professor, Professor of the SKIA Department

Korzh R., DScTech., Professor, Professor of the SKIA Department

Markovets O., Ph.D., Associate Professor, Associate Professor of the SKIA Department,

Vovk N., Ph.D., Associate Professor, Associate Professor of the SKIA Department

Petrushka A., Ph.D., Associate Professor of the SKIA Department **Kovalchuk Yu**, Master of information, library and archival science

Guarantor

M. Komova

Approved and entered into force by the Order of the Rector of Lviv Polytechnic National University from ______ № _____.

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LETTER OF AGREEMENT of educational and scientific program

Level of Higher Education	the third (educational and scientific) level
Fields of Knowledge	02 Culture and Art
Specialty	029 Information, Library and Archival Studies
Qualification	Doctor of Philosophy

APPROVED погоджено Scientific and Methodological Vice-rector for scientific work Commission of the specialty 029 _____ Demydov I.V. «Information, Library and Archival **Studies**» Minutes №_____ from _____ Vice-rector for scientific and pedagogical work Chairman of the SMC specialty _____O. Davydchak 029 «Information, Library and Archival **Studies**» _____N. Vovk Head of the educational and methodical RECOMMENDED department Scientific and Methodological Council _____ V. Tomiuk of the University Minutes № _____ from _____

_____ A. Zahorodniy

Chairman of the SRC specialty

Director of IHSS

_____Y. Turchyn

1. Program profile of the Doctor of philosophy in specialty 029 Information, Library and Archival Science

1 – General information		
1	2	
Full name of the higher	Lviv Polytechnic National University,	
education institution and	Department of Social Communications and	
structural unit	Information Activities of the Institute of	
	Humanities and Social Sciences	
Level of higher education	Third (educational and scientific) level	
Degree of higher education	Doctor of philosophy	
Field of knowledge	02 Culture and art	
Specialty	029 Information, Library and Archival Science	
The name of the educational	Information, Library and Archive Science	
and scientific program		
The Internet address of the	https://lpnu.ua/osvita/pro-osvitni-	
placement of the educational	programy/tretii-riven-vyshchoi-osvity	
and scientific program		
Restrictions on forms of	Full-time, part-time (distance)	
education		
Educational qualification	Doctor of philosophy in specialty 029	
	Information, Library and Archival Science	
Qualification in diploma	Field of knowledge - 02 Culture and art	
	Specialty - 029 Information, Library and	
	Archival Science	
Description of the subject	Objects of study and activity: institutions and	
area	infrastructure that provide creation, distribution,	
	accumulation, storage, archiving, access to	
	information and knowledge in any formats; theories,	
	processes, technologies and standards for creating	
	information resources; information and search	
	systems; access channels to information resources	
	on the Internet.	
	Learning goals: acquiring the ability to produce	
	new ideas, solve complex problems, carry out one's	
	own scientific research in information, library and	
	archive work, which involves thorough rethinking of	
	existing holistic knowledge and creation of new one	
	and/or professional practice	
	Theoretical content of the subject area: information	
	and document systems of institutions; patterns of	
	functioning of information systems; technologies of	
	information, archival and library institutions	
	management.	
	Methods, techniques and technologies: modern	
	methods, technologies and tools of information	

	management, methods and techniques of scientific research, methods of information search, processing and analysis, statistical methods of data analysis, project management technologies and innovations in information, library and archives activities, modeling methods and technologies for creating information and document systems. <i>Tools and equipment:</i> specialized computer systems and software, multimedia tools; systems of		
	electronic document circulation, electronic libraries and archives; text and graphic information processing systems.		
Academic rights of	PhD has the right to obtain a scientific degree of		
graduates	doctor of sciences and additional qualifications in		
	the adult education system.		
The amount of credits under	43		
the European Credit			
Transfer and Accumulation			
System required for			
obtaining the relevant degree			
of higher education			
Availability of accreditation	-		
Cycle/level	NQF of Ukraine – 8 level, QF-EHEA – the third cycle, EQF-LLL – 8 level		
Preconditions	Persons who have obtained a master's degree can apply for the educational and scientific degree of Doctor of Philosophy. The program of professional entrance examinations for persons who have obtained a previous level of higher education in other specialties must provide the verification of the person's competencies and learning outcomes due to the standard of higher education in the specialty 029 Information, Library and Archival Science for the second (master's) level of higher education. For interdisciplinary educational-scientific programs to indicate the specialty 029 Information, Library and Archival Science in the educational qualification, it is necessary to ensure that the applicants of the third (educational and scientific) level of higher education master the competencies		
	GC1, GC2, GC4, SC1, SC2, SC5 and study results SR2, SR4, SR6.		
Language(s) of instruction	GC1, GC2, GC4, SC1, SC2, SC5 and study results SR2, SR4, SR6. Ukrainian language		
Language(s) of instruction Basic concepts and their	SR2, SR4 , SR6.		

	Ukraine "On Higher Education" from 07/01/2014 No. 1556-VII with changes and additions, the Law of Ukraine "On Education" from 09/05/2017 No. 2145- VIII, with changes and additions, the Procedure for the training of higher education holders of the degree of Doctor of Philosophy and Doctor of Science in institutions of higher education (scientific institutions), approved by Resolution of the Cabinet of Ministers akulb 03/23/2016 No. 261, with changes and additions, the Procedure for awarding the degree of Doctor of Philosophy and cancellation decision of the one-time specialized academic council of the institution of higher education, the scientific institution on awarding the degree of Doctor of Philosophy, approved by the Resolution of the Cabinet of Ministers of Ukraine from 12/01/2022 No. 44, the Methodological recommendations for the development of standards of higher education, approved by the Order of the Ministry of Education and Science of Ukraine from 01/06/2017 No. 600 with changes and additions, the Standard of higher education in the specialty 029 Information, library and archival science on the field of knowledge 02 Culture and art for the third (educational and scientific) level of higher education, approved and applied by the order of the Ministry of Education and Science of Ukraine from 12/24/2021 No. 1435.
2 – The pur	pose of the educational program
	Preparation of a highly qualified, competitive specialist with leadership and creative qualities, able to integrate into the global educational and scientific space, capable of providing effective independent scientific research, scientific organizational, practical, expert, and consulting work in the field of information, library and archival science, and teaching in institutions of higher education.
	ristics of the educational program
Orientation of the educational program	The educational-scientific program is aimed at mastering the relevant aspects of scientific research within the specialty, which orients to further continuous professional self-education.
The main focus of the educational program and specialization	The program focuses on modern achievements of the theory of information, library and archival work, the latest technologies of theoretical and empirical research, methods of scientific and teaching activity,

	and the formation of the ability to conduct a			
	scientific investigation and perform own			
	competitive scientific research.			
Features and differences of	The educational component of the educational and			
the program	scientific program covers a wide range of modern			
the program	trends of the development of the theory and practice of			
	information, library and archival affairs, which			
	contributes to the actualization of the theoretical and			
	applied basis of conducting scientific research.			
	The program provides orientation on innovative			
	approaches of the study of theoretical and pragmatic			
	issues in the field of information, library and archival			
	affairs.			
	The scientific component of the educational and			
	scientific program is determined by the individual study plan of the graduate student			
	study plan of the graduate student. Orientation of the program on relations with well-			
	known domestic and foreign scientific institutions and			
	universities, including Marie Curie-Skłodowska			
	University in Lublin (Poland), Kyiv National			
	University of Culture and Arts.			
4 – Eligibility of graduates of the educational program				
Suitability for employment	to employment and further educationfor employmentA graduate can apply for the positions of a researcher			
Suitability for employment	and teacher of educational disciplines in the field of			
	information, library and archival science in higher			
	education institutions of various accreditation levels,			
	consultant and expert in libraries and archives,			
	academic and educational institutions, public self-			
	government bodies and state power structures,			
	advertising agencies, and public relations departments,			
	mass media, international and domestic scientific			
	projects, and programs.			
Further education	The scientific program of the fourth (scientific) level of			
	higher education "Doctor of Sciences". Self-education			
	and self-development; professional development at			
	leading universities and research centers in Ukraine and			
	abroad.			
5-	Teaching and assessment			
Teaching and learning	The form of full-time and part-time education.			
	Problem-oriented learning with a predominance of			
	independent work: lectures, practical classes,			
	consultations with lecturers, learning through practice,			
	mandatory involvement in scientific work, preparation			
	of a dissertation.			
Assessment	of a dissertation. Current control, written works with an oral component,			

6 -	oral exams, assessments based on the results of studying the disciplines of the educational component of the educational and scientific program. Implementation of an individual research project, presentation of research results, writing a dissertation. Oral open defense of the dissertation in the board of experts.
Integral competence (INC)	The ability to produce new ideas, to solve complex
	problems in the field of professional and/or research and innovation activities in information, library, and archival science, to apply the methodology of scientific and pedagogical activities, as well as to conduct own scientific research, the results of which have scientific novelty, theoretical and practical meaning.
General competences (GC)	 GC1. The ability to solve complex problems in information, library, and archival affairs based on a systematic scientific outlook and a general cultural outlook while observing the principles of professional ethics and academic integrity. GC2. Ability to generate and implement new ideas. GC3. Ability to search, process and analyze information from various sources. GC4. Ability to work in an international context.
Special (professional, subject) competences (SC)	 SC1. The ability to perform original research, achieve scientific results that create new knowledge in information, library and archival science, and related interdisciplinary areas and publish it in specialized and professional scientific editions. SC2. The ability to apply modern methodologies, methods, and tools for empirical and theoretical research in information, library, and archival science. SC3. The ability to develop a category-conceptual and analytical-research apparatus, identify and justify new regularities in information, library, and archival science. SC4. The ability to initiate, develop and implement the complex innovative projects in information, library and archival science and related interdisciplinary projects and to show leadership during their implementation. SC5. The ability to design, model, and develop new tools and technologies for improving the processes of creation, distribution, analytical and synthetic

	processing, accumulation, storage, and organization			
	of the usage of documented information.			
	SC6. Ability to apply a wide range of digital tools,			
	tools, resources, and technologies to conduct			
	research in information, library, and archival			
	science.			
	SC7. The ability to carry out scientific-pedagogical			
	and educational innovative activities in institutions			
	of higher education in information, library, and			
	archival science.			
7 . Dr.				
7 – Programmatic learning results				
Knowledge (Kn)	Kn1. To create advanced conceptual and			
	methodological knowledge, to plan and carry out			
	scientific and applied research, to implement			
	innovations in information, library and archival			
	science and at the border of the fields of knowledge,			
	as well as to form research skills that are sufficient			
	for conducting scientific and applied research at the			
	level of modern world achievements in a specific			
	area.			
	Kn2. To propose and test hypotheses that are			
	necessary to substantiate conclusions with evidence,			
	in particular, the results of theoretical analysis,			
	empirical research, and modeling, available			
	statistical data, to use advanced conceptual and			
	methodological developments to obtain new			
	knowledge and/or implement innovations.			
	Kn3. To develop and research models of			
	1			
	information and document systems, effectively use			
	them to obtain new knowledge and/or create			
	innovative products in information, library and			
	archival science.			
	Kn4. To plan and carry out empirical and theoretical			
	research in information, library and archival science			
	and related interdisciplinary areas using modern			
	tools and methods.			
	Kn5. To plan and carry out competitive, creative			
	scientific research in information and social			
	communication technologies due to the			
	methodology of digital humanities.			
Skills (Sk)	Sk1. To develop and implement projects on			
\ /	improving the processes of creation, distribution,			
	analytical and synthetic processing, accumulation,			
	storage, and organization of the use of documented			
	information.			
	Sk2. To apply modern tools and technologies for			

searching, processing, and analyzing information, in particular, statistical methods of analyzing data of a large volume and/or complex structure, technologies for working with open data, databases, and information systems.Sk3. To develop and implement projects, including own research, which provide an opportunity to rethink the existing and create new holistic knowledge and/or professional practice for solving important problems in information, library and archival science due to the norms of academic and professional ethics, and considering social, economic and legal aspects.Sk4. To develop and itach information, library and archival science due to the norms of academic and professional ethics, and considering social, economic and legal aspects.Sk4. To develop and teach information, library and archival disciplines in institutions of higher education.Sk5. To develop and implement scientific projects on information and social communication technologies due to the theory and practice of digital humanities.Communication (Com)Com1. To present and discuss with specialists and non-specialists the results of research, scientific and applied problems of information, library and archival science in national and foreign languages freely, and competently reflect the results of research through the scientific publications in specialized scientific editions. Com2. To use Ukrainian and foreign languages in professional activities and research.Responsibility and Autonomy (Au)Au1. To demonstrate authority, innovation, a high level of independence, academic and professional integrity, and commitment to the development of new ideas or processes in the context of professional integrity.
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Autonomy (Au) level of independence, academic and professional integrity, and commitment to the development of
integrity, and commitment to the development of
and scientific activities.
Au2. To provide the ability for continuous self-
development and self-improvement.
8 – Resource support for the implementation of the educational program
Basic characteristics of 100% of the teaching staff involved in teaching
human resources professionally oriented disciplines have scientific degrees in their speciality or related specialities are
degrees in their specialty or related specialties, are recognized professionals with experience in
research, management or innovative activity in their
specialty.
SpeciallyThe main characteristics ofUse of modern computer tools and specialized
material and technical software.
support

Main characteristics of	Use of the Virtual Learning Environment of the	
informational and	Lviv Polytechnic National University, author's	
methodological support	developments of scientific and pedagogical stuff,	
	namely textbooks and eutorials	
9. Academic mobility		
National credit mobility	Based on bilateral agreements between Lviv	
	Polytechnic National University and other	
	universities of Ukraine.	
International credit mobility	As part of the EU Erasmus+ program based on	
	bilateral agreements between Lviv Polytechnic	
	National University and educational institutions of	
	partner countries	
Education of foreign	It is possible, after studying the Ukrainian language.	
students of higher education		

2. Distribution of the content of the educational component of the educational and scientific program by groups of components and training cycles

		The volume of the postgraduate student's workload (credits / %)			
No. s/n Cycles of training		Mandatory components of the educational component	Selected components of the educational component	Total for the whole period of training	
1.	The cycle of disciplines that form general scientific competencies and universal skills of the researcher	21/49	3/7	24/56	
2.	The cycle of disciplines that form professional competencies	10/23	6/14	16/37	
3.	Disciplines of free choice of the studen		3/7	3/7	
Tot	al for the entire period of study	31/72	12/28	43/100	

3. List of components of the educational component of the educational and scientific program

Code	Components of the educational componen	Numb er of credit	Form of final control	
1	2	3	4	
	1. Mandatory components of the educational componen			
1.1.	1.1. Cycle of disciplines that form general scientific competencies and universal skills of the			
	researcher			
MC 1.1	Philosophy and Methodology of Science	3	examination	
MC 1.2	English Language For Academic Purposes, part 1	4	credit	
MC 1.3	English Language For Academic Purposes, part 2	4	examination	
MC 1.4	Professional Pedagogy	3	credit	

MC 1.5	Academic Entrepreneurship	4	credit		
MC 1.6	Teaching Practice	3	credit		
	In total for the cycle:	21			
	1.2. The cycle of disciplines that form professional comp	petencies			
MC 2.1	Digitization of Information, Library and Archival Matters	4	examination		
MC 2.2	Research Workshop on Digital Humanities	3	credit		
MC 2.3	Methodology of Scientific Research in the Field of Information and Communication	3	credit		
	In total for the cycle:	10			
	2. Selected components of the educational components	nent	•		
2.1	. The cycle of disciplines that form general scientific competencies	and unive	ersal skills of		
	the researcher *				
SC 1.1	Business foreign language	3	credit		
SC 1.2	Psychology of creativity and invention	3	credit		
SC 1.3	Management of scientific projects	3	credit		
SC 1.4	Technology of grant applications and patent rights	3	credit		
SC 1.5	Rhetoric	3	credit		
SC 1.6	Modern inventory in research activities	3	credit		
SC 1.7	Open scientific practices	3	credit		
SC 1.8	Academic integrity and quality of education	3	credit		
SC 1.9	Methodology of preparation of scientific publications	3	credit		
SC 1.10	Quality of higher education (formation of internal quality	3	credit		
	assurance systems)				
	In total for the cycle:	3			
	2.2. The cycle of disciplines that form professional compe				
SC 2.1	Publication Management in the Direction of World Technologies	3	examination		
SC 2.2	Innovative Technologies for Promoting the Activities of Library and Archival Institutions	3	examination		
SC 2.3	Culture of Social Communication Project Management	3	examination		
SC 2.4	Organization of Digital Archiving	3	examination		
SC 2.5	Computer Technologies in Library and Archival Matter	3	examination		
SC 2.6	IT in the Practice of Scientific Research	3	examination		
SC 2.7	Digital Social Media Marketing	3	examination		
SC 2.8	Information Management Technologies	3	examination		
SC 2.9	Information Hygiene	3	examination		
SC 2.10	Influence Technologies in Business Communication	3	examination		
	In total for the cycle:	6 (3+3)			
	3. Disciplines at the free choice of the post-graduate s	student **	*		
SC 3.1	Discipline of free choice of post-graduate student	3	credit		
TOTAL		43			

Notes:

* - the list of disciplines that form professional competencies are offered common to the ESP of related fields and specialties; ** - the list of elective disciplines that form professional competencies should contain ten disciplines, of which the post-

graduate student chooses two;

*** - a post-graduate student can choose the disciplines taught at Lviv Polytechnic National University or other domestic (foreign) higher education institutions (research institutions) at all levels.

4. The scientific component of the educational and scientific program

The scientific component of the educational-scientific program involves the post-graduate student conducting his scientific research under the guidance of one or two academic supervisors and the preparation of his results in the form of a dissertation.

The dissertation for obtaining the degree of Doctor of Philosophy is an independent detailed study that offers a solution to a relevant scientific and applied task in the specialty 029 Information, library, and archival science, the results of which are characterized by scientific novelty and practical value and are published in relevant editions.

The scientific component of the educational-scientific program is drawn up in the form of an individual plan of scientific work of a postgraduate student and is an integral part of the postgraduate study plan.

An integral part of the scientific component of the postgraduate educational and scientific program is the preparation and publication of scientific articles, speeches at scientific conferences, scientific professional seminars, round tables, and symposia.

Forms of attestation of	Attestation of graduates has the form of a public
applicants of higher	dissertation defense.
education	
Dissertation requirements	The dissertation for obtaining the degree of Doctor of
for obtaining the degree	Philosophy is an independent and comprehensive study
of Doctor of Philosophy	that offers a solution to a complex problem in the field
	of information, library and archival sciecne or on its
	border with other specialties, which involves a deep
	rethinking of existing and the creation of new holistic
	knowledge and/or professional practice.
	The dissertation should not contain academic
	plagiarism, falsification, fabrication.
	The dissertation must be published on the official
	website of the higher education institution.

5. Form of attestation of applicants of higher education

Attestation of higher education holders of the degree of Doctor of Philosophy in the specialty 029 Information, library and archival science is carried out by a specialized academic council, permanent or formed for a one-time defense, on the basis of a public defense of scientific achievements in the form of a dissertation. The volume of the main text of the dissertation can be 4.5 - 5.0 author's sheet.

A mandatory condition for admission to the defense is the successful completion of the graduate student's individual study plan. The work of graduate students is based on the principles of academic integrity: observance of the culture of scientific integrity in all types of scientific activity and compliance with ethical norms; awareness of responsibility for the occurrence of danger for individuals or society in general in connection with the application of untested new scientific knowledge; impeccable honesty and transparency at all stages of scientific research (with compliance with copyright, national interests of Ukraine, state secrets), inadmissibility of plagiarism, self-plagiarism, falsification and fabrication of data.

Candidates of higher education for the degree of Doctor of Philosophy in the specialty 029 Information, library and archival affairs defend their dissertations in a specialized academic council in the specialty 029 Information, library and archival science formed for a one-time defense at the institution of higher education where the graduate student was trained. The academic council of a higher education institution has the right to submit to the National Agency for Quality Assurance of Higher Education documents for the accreditation of a specialized academic council formed for the purpose of a one-time defense, or to apply to another institution of higher education where a permanent specialized academic council operates in the specialty 029 Information , library and archival science.

Components of	program Competences Integral competence General competences Special (professional, subject) competences													
the educational componen														
					0.01									
-	GC1	GC2	GC3	GC4	SC1	SC2	SC3	SC4	SC5	SC6	SC7			
MC 1.1.	•	•												
MC 1.2.			•	•						•				
MC 1.3.			•	•						•	-			
MC 1.4.	•	•									•			
MC 1.5.		•	•								•			
MC 1.6.	•	•	•								•			
MC 2.1.	•		•			•	•	•	•	•				
MC 2.2.		•	•		•	•	•	•	•	•				
MC 2.3.	٠	•				•	•		•					
SC 1.1			•	•						•				
SC 1.2	•	•						•	•	•	•			
SC 1.3	•	•	•	•		•	•	•	•	•				
SC 1.4	•	•	•	•				•	•	•				
SC 1.5				•							•			
SC 1.6	•	•				•	•	•	•					
SC 1.7			•	•		•	•			•				
SC 1.8	•			•	•						•			
SC 1.9		•	•	•	•	•	•			•				
SC 1.10				•		•	•	•	•	•	•			
SC 2.1		•	•	•	•			•		•				
SC 2.2				•				•	•	•				
SC 2.3			•	-				-	•	-	•			
SC 2.4			-	•		•	•	•	-		•			
SC 2.5		1	•	-	•	•	•	-	•	•				
SC 2.6			•		•	•	•	•	•	•	<u> </u>			
SC 2.7			•		•		-	-	•	•				
SC 2.8			•		•				•	•				
SC 2.9	•		•						-	•	•			
SC 2.9 SC 2.10														
SC 2.10 SC 3.1	•		•							•	•			

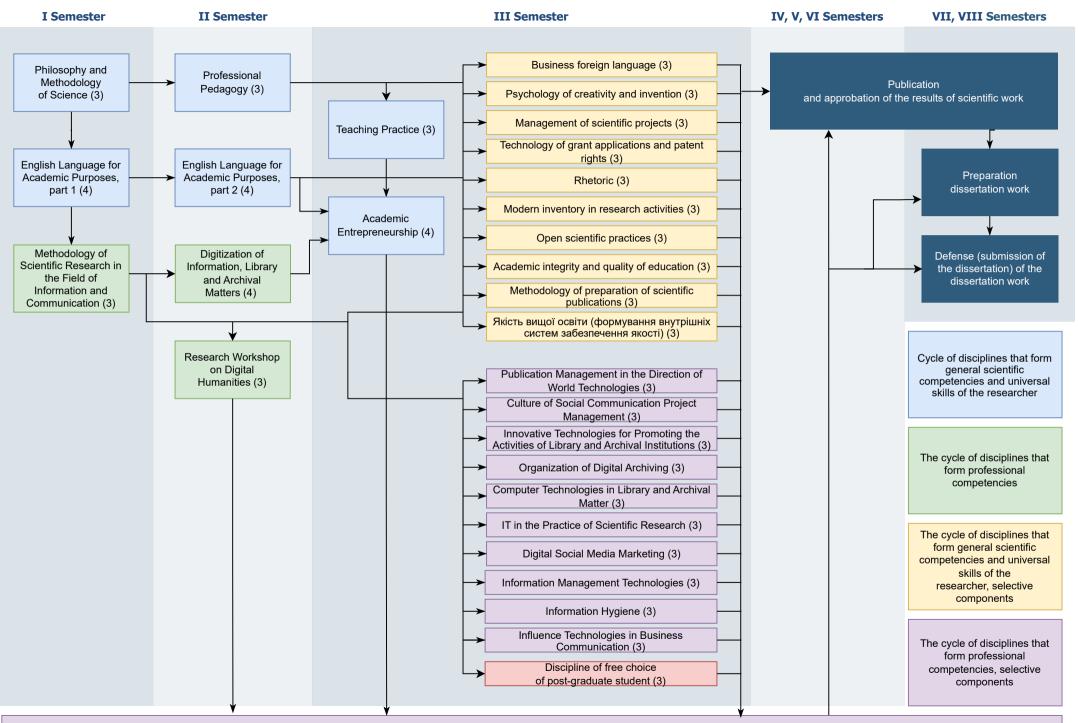
6. Matrix of correspondence of program competencies to the components of the educational program

Symbols: GCj - General competences, <math>SCj - Special (professional, subject) competences, <math>j - competence number in the list of competences of the educational component.

7. Matrix of providing program learning outcomes with relevant components of the educational program

Components of the		Programmatic learning results												
educational componen	Kn1	Kn2	Kn3	Kn4	Kn5	Sk1	Sk2	Sk3	Sk4	Sk5	Com1	Com2	Au1	Au2
MC 1.1.		•						•			•			
MC 1.2.					•				•	•	•	•	•	
MC 1.3.					•				٠	•	•	•	•	
MC 1.4.	•								•		•			•
MC 1.5.	٠								•		•			٠
MC 1.6.	•								•		•			•
MC 2.1.			•	•	•		•	•		•				
MC 2.2.			•	•	•		•	•		•	•			
MC 2.3.	•	•		•	•			٠		•				
SC 1.1					•				•	•	•	•	٠	
SC 1.2	•	•			•			•						
SC 1.3				•	•				•	•				
SC 1.4				•	•				•	•				
SC 1.5											•	•	•	
SC 1.6	•						•			•			•	
SC 1.7			•			•	•							
SC 1.8		•						•			•		•	
SC 1.9				•		•		•		•				
SC 1.10	•		•						•		•		•	•
SC 2.1			•		•		•			•				•
SC 2.2	•				•	•	•			•				٠
SC 2.3	•				•	•	•			•				•
SC 2.4	•								•		•			•
SC 2.5	•		•	•	•	•	•							
SC 2.6	•		•	•	•	٠	•							1
SC 2.7	•		•	•	•	•	•	1	1		1			1
SC 2.8	•		•	•	•	•	•							
SC 2.9		•	1	•	1		1	•	1		1			•
SC 2.10		•		٠				•						•
SC 3.1														1

Symbols: Kn – Knowledge, **Sk** – Skills, **Com** – Communication, **Au** – Responsibility and Autonomy



Scientific research on the topic of the dissertation work