

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
NATIONAL TECHNICAL UNIVERSITY OF UKRAINE
“IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE”

APPROVED

By Scientific Council of Igor Sikorsky
Kyiv Polytechnic Institute

(protocol № ____ from « ____ » _____ 2021 p.)

Chairman of the Academic Council

_____ Mykhailo ILCHENKO

Public Management and Administration

EDUCATIONAL AND SCIENTIFIC PROGRAM

third (educational and scientific) level of higher education

specialty	281 Public Management and Administration
field of knowledge	28 Public Management and Administration
qualification	Doctor of Philosophy in Public Management and Administration

Entered into force by Order of the Rector of
Igor Sikorsky Kyiv Polytechnic Institute

from _____ № _____

PREAMBLE

DEVELOPED by the project team:

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Acting Head of the Department of Theory and Practice of Administration
Olena Akimova

AGREED

Scientific and methodical commission on specialty 281 Public administration and governance
Chairman of the SMC 281 _____ Svitlana Chukut

(protocol № ____ from « ____ » _____ 2021 p.)

Methodical Council of Igor Sikorsky Kyiv Polytechnic Institute

Vice Chairman of the Methodical Council _____ Anatolii Melnychenko

(protocol № ____ from « ____ » _____ 2021 p.)

TAKEN INTO ACCOUNT

When developing the Educational and Scientific Program, the project of the Standard of Higher Education for the third (educational and scientific) level of higher education was taken as a basis.

During the work on the educational and scientific program, a seminar-meeting were held with: Phd students (A. Ishchenko, I. Shabash, A. Kuts, I. Holtsova., A. Panchenko, K. Semenova, K. Palazhchenko, A. Hrishko, N. Velychko, I. Varzhansky, Y. Ruban), graduates and graduates within the specialty “State management”, who work in KPI named after Igor Sikorsky and successfully defended their dissertations and obtained the degree of candidate of sciences in public administration (O. Bozhok, N. Fedorova, V. Dmytrenko, S. Maulik). At these meetings, proposals were made to improve the content of educational scientific program, in particular, to increase the number of hours spent on pedagogical practice and the involvement of graduate students to teaching activities.

During the discussion on the content of the educational and scientific program, positive feedback was received from relevant reviewers.

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1. PROFILE OF THE EDUCATIONAL PROGRAM

1 - General information	
Full name of HEI and institute / faculty	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Faculty of Sociology and Law
Degree of higher education and title of qualification in the original language	Degree – Doctor of Philosophy Qualification – Doctor of Philosophy in Public Administration
Level from NQF	NRC of Ukraine - level 8 FQ-EHEA - the third cycle, EQF-LLL - level 8
The official name of the educational program	Public Management and Administration
Type of diploma and scope of educational program	Doctor of Philosophy Diploma, Educational component – 60 ECTS credits, 4 years study period; Scientific component – involves conducting own research and design of its results in the form of a dissertation
Accreditation status	Is being accredited for the first time
Preconditions	A master's degree
Language(s) teaching	Ukrainian, English
The validity of the educational program	Until the next accreditation
Internet address of the permanent placement of the educational program	https://osvita.kpi.ua/ (Educational programs) http://ktpu.kpi.ua/ua/osvitni-programi/
2 - The aim of the educational program	
<p>To make a significant contribution to the sustainable development of society by providing training for public servants and managers capable of solving complex problems in the field of professional and/or research and innovation in the field of Public Management and Administration, which involves a deep rethinking of existing and creating new holistic knowledge and/or professional practices.</p> <p>The aim of the educational program corresponds to the Strategy of Igor Sikorsky Kyiv Polytechnic Institute for 2020-2025 (https://osvita.kpi.ua/node/116).</p>	

3 - Characteristics of the educational program

Subject area	<p>Objects of study and/or activity: the sphere of Public Management and Administration as a complex system that combines the activities of public authorities, local governments, their bodies, public associations to influence the development and functioning of socio-economic systems on national, regional and local levels, and includes internal organizational support and streamlining of these entities.</p> <p>Objectives of training: training of specialists in Public Management and Administration, able to solve complex problems in the field of professional and research-innovation field of Public Management and Administration, which involves a deep rethinking of existing and creation of new holistic knowledge and professional practice.</p> <p>Theoretical content of the subject area: terminology, scientific concepts (theories) of Public Management and Administration, in particular at the higher, central, regional and local levels.</p> <p>Methods, techniques and technologies: scientific knowledge, management and decision-making, analytical information processing, institutional, instrumental, functional, organizational, technological and legal support, e-governance, forecasting and design.</p> <p>Tools and equipment: information and analytical tools, support systems for making and implementing management decisions, specialized software.</p>
Orientation of the educational program	Educational and scientific
The main focus of the educational program	<p>Carrying out of scientific and applied researches in the field of 28 “Public Management and Administration” on a specialty 281 Public Management and Administration.</p> <p>Keywords: public administration, sustainable development, digital transformation of public administration, open data, data analytics, management at the national, regional and local levels, modern management technologies, leadership, anti-crisis management, service delivery, communications in public administration, e-governance, e-democracy, smart cities.</p>

Features of the program	Combining of research and practice. Involvement of graduate students in teaching activities in accordance with the direction of their research. Providing a set of knowledge and skills needed to make management decisions on complex social systems and to solve pedagogical problems with the help of modern information and communication technologies. Developing the ability to work with different types of data, including Big data, open data, etc. within the digital transformation of the public administration system, to use various tools and technologies of e-governance and e-democracy.
4 - Suitability of graduates for employment and further study	
Suitability for employment	<p>Work within the national classifier of Ukraine “Classifier of professions” SC 003: 2010: 1120. Senior officials of public authorities 1229.3 Managerial employee apparatus of local bodies public authority and local self-government 1229.7 Manager of other major divisions in other spheres of activity 1238 Project and program managers 1477.1 Manager (ruler) of recruitment, providing and use of personnel 1483 Manager (ruler) in the social sphere 2310. Teachers of universities and higher educational institutions. 2310.1 Professors and docents 2310.2 Other teachers of higher educational institutions 2419 Professionals in the field of civil service, marketing, efficiency of economic activity, rationalization of production, intellectual property and innovative activity 2419.3. Professionals of civil service and local self-government. 2447 Professionals in project and program management. The graduate may hold other positions that correspond to the special (professional) competencies of public servants: - in ministries and other central executive bodies; - in local state administrations; - in local governments; - on the positions of patronage service employees; - on managerial positions in institutions and organizations of various forms of ownership and subordination; - on managerial positions in international organizations and their subsidiaries in Ukraine. Can be engaged in research, teaching, expert activities.</p>

Further training	Continuation of doctoral studies and/or the opportunity to participate in postdoctoral programs
5 - Teaching and assessment	
Teaching and learning	<p>Problem-oriented learning, learner-oriented approach, mixed learning technologies. Lectures, practical and seminar classes; field classes (thematic classes) in state and local executive bodies; performance of creative works (individual tasks), case study, project activity in the direction of dissertation research.</p> <p>Using the “Sikorsky” platform for distance educational activities in remote and mixed formats.</p> <p>Conducting own scientific research; participation in scientific and researching programs (initiative scientific topics of university department) in the direction of the dissertation research, results approbation at scientific and practical conferences, seminars; twice a year students reports.</p>
Assessment	Rating system of assessment, oral and written exams, examination, testing, preparation of publications in the field of dissertation research in specialized scientific publications.
6 - Program competencies	
Integral competence	The ability to solve complex problems of professional and/or research- innovative activities in the field of public management and administration, which involves a deep rethinking of existing and the creation of new holistic knowledges and / or professional practice.
General Competences (GC)	
GC 01	Abstract thinking, analysis and synthesis ability
GC 02	Ability to search, process and analyze information from various sources.
GC 03	Ability to form a systematic scientific outlook, professional ethics and academic integrity
GC 04	Ability to initiate research and innovation projects and work autonomous during their implementation
GC 05	Ability to establish scientific interaction, cooperation
Special (Professional) Competencies	
SC 01	Ability to present and discuss the results of research and / or innovative developments orally and in writing form
SC 02	Ability to carry out scientific and pedagogical activities in higher education
SC 03	Ability to identify, pose and solve research problems in the field of public management and administration, evaluate and ensure the quality of research
SC 04	Ability to form and develop new ideas or processes in advanced contexts in the field of Public Management and Administration

SC 05	Ability to develop new approaches and adapt best practices, apply and improve administrative technologies in the field of Public Management and Administration in the conditions of new challenges and risks
SC 06	Ability to develop scientifically reasonable recommendations for improving Public Management and Administration
SC 07	Ability to determine, scientifically substantiate and critically evaluate strategic directions of development at the national, regional, local, institutional level, based on the concept of sustainability.
SC 08	Ability to ensure the appropriate level of quality of scientific / scientifically-methodological products, services or processes.
SC 09	Ability to apply modern information technologies in scientific, educational (pedagogical) and professional activities.
SC 010	Ability to make scientifically based management decisions and conduct research in the conditions of public management and administration digital transformation.
7 – Program studies results	
PRS 1	To master conceptual and methodological approaches to Public Management and Administration, taking into consideration interdisciplinary links, as well as research skills sufficient to scientific and applied research at the level of the latest world achievements of the relevant area, gain new knowledge and/or innovate.
PRS 2	Freely present and discuss research results, scientific and applied problems of Public Administration and Governance in state and foreign languages, to reflect professional results of research in scientific publications in leading Ukrainian and international scientific journals.
PRS 3	Formulate new ideas, use appropriate evidence to substantiate conclusions, in particular, the results of theoretical analysis, experimental research, modeling, forecasting, programming and design.
PRS 4	Plan and perform theoretical-applied research in public administration and related interdisciplinary areas using modern tools.
PRS 5	Deeply understand general principles and methodology of Public Management and Administration, apply them in their own research in the public sphere and in teaching practice.
PRS 6	Be able to identify, evaluate and justify strategic directions of development at the central, regional, local levels and at the level of public organization.
PRS 7	Be able to develop new approaches and adapt best practices of e- governance and e-democracy to the needs of sustainable development.
PRS 8	Be able to apply modern information technologies and tools in scientific, educational (pedagogical) and professional activities.

PRS 9	Be able to obtain scientifically-applied results that contribute to the solution of an important theoretical or applied problem in the field of Public Management and Administration, which have national or global importance.
PRS 10	Know and follow the basic principles of academic integrity in scientific and educational (pedagogical) activities.
PRS 11	To be able to teach at a high scientifically-theoretical and methodological level disciplines by specialty of “Public Management and Administration”, to develop in accordance with modern requirements of educational and methodological support of these disciplines.
8 – Resource support for program implementation	
Staffing	In accordance with personal requirements for ensuring the implementation of educational activities for the relevant level of HE, approved by the Resolution of the Cabinet of Ministers of Ukraine of December 30, 2015 № 1187, as amended by the Resolution of the Cabinet of Ministers of Ukraine № 365 dated June 20, 2021
Material and technical support	Material and technical support of educational activities meets the licensing requirements approved by the Resolution of the Cabinet of Ministers of Ukraine of December 30, 2015 № 1187, as amended by the Resolution of the Cabinet of Ministers of Ukraine № 365 dated June 20, 2021
Information and educationally-methodical support	Information and educationally-methodical support of educational activities meets the licensing requirements approved by the Resolution of the Cabinet of Ministers of Ukraine of December 30, 2015 № 1187, as amended by the Resolution of the Cabinet of Ministers of Ukraine № 365 dated June 20, 2021. Scientifically-technical G.I Denisenko Library, Igor Sikorsky KPI.

9 – Academic mobility

<p>National credit mobility</p>	<p>Implemented in partner organizations within Ukraine in accordance with the Regulations on Academic Mobility of Igor Sikorsky Kyiv Polytechnic Institute (https://osvita.kpi.ua/sites/default/files/downloads/Pol_pro_akadem_mobil.pdf) in order to obtain ECTS credits and / or competencies, result of studies that relate to current educational program is possible provided if they relate to the educational program . Participation in academic mobility programs is regulated by bilateral agreements between the University and partner organizations.</p> <p>In the case of choosing a program of an organization that is not a partner of the University, participation in it is allowed provided that the program corresponds to the educational program for which the applicant is educating.</p> <p>The Dean of the Faculty of Sociology and Law, on the basis of the recommendation of the commission created by his order, may decide to recognize the competencies acquired by the graduate student in other institutions of higher education (scientific institutions) in one or more disciplines (credit ECTS credits), the acquisition of which is provided by the educational and scientific program of training doctors of philosophy in the specialty 281 Public Management and Administration.</p>
<p>International credit mobility</p>	<p>Implemented in partner organizations outside Ukraine in accordance with the Regulations on Academic Mobility of Igor Sikorsky KPI. (https://osvita.kpi.ua/sites/default/files/downloads/Pol_pro_akadem_mobil.pdf) in order to obtain ECTS credits and / or competencies, learning outcomes that correspond to this educational program is possible provided they correspond to the educational program.</p> <p>Opportunity to participate in scholarship programs, exchange programs, double degree programs, grants, participation in internships, Erasmus + (http://mobilnist.kpi.ua/).</p> <p>Participation in academic mobility programs is regulated by bilateral agreements between the University and partner organizations. In the case of choosing a program of an organization that is not a partner of the University, participation in it is allowed provided that the program corresponds to the educational program for which the applicant is training. It is provided in accordance with the signed agreements on international academic mobility (Erasmus + K1), including the possibility of obtaining a double diploma.</p>

Education of foreign applicants for higher education	Teaching in English.
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2. LIST OF THE EDUCATIONAL COMPONENT ELEMENTS OF THE EDUCATIONAL AND SCIENTIFIC PROGRAM

Code n/d	Components of the educational program (academic disciplines, practices, qualification work)	Number of credits	Form of final control
1	2	3	4
Mandatory (regulatory) components of EP			
AD 1.1	Philosophical foundations of scientific activity. Part 1. Scientific outlook and scientist's ethical culture	2	Test
AD 1.2	Philosophical foundations of scientific activity. Part 2. Philosophical gnoseology and epistemology	4	Exam
AD 2.1	Foreign language for scientific activity. Part 1. Scientific research	3	Test
AD 2.2	Foreign language for scientific activity. Part 2. Scientific communication	3	Exam
AD 3	Conceptual and methodological foundations of public administration and ensuring sustainable development	3	Test
AD 4	Leadership and crisis management	3	Test
AD 5	Strategic directions of e-governance development	3	Test
AD 6	Data analytics in public administration	3	Test
AD 7	Methodology of scientific researches in public management and administration	3	Test
AD 8	Organization of scientific and innovative activity	4	Test
AD 9	Actual problems of high school pedagogy	2	Test
AD 10	Pedagogical practice	7	Test
AD 11	Academic integrity and scientific communication	4	Test
Elective disciplines in the field of postgraduate research			
ED 1	Educational component 1 of the F-Catalog	4	Test
ED 2	Educational component 2 of the F-Catalog	4	Test
ED 3	Educational component 3 of the F-Catalog	4	Test
ED 4	Educational component 4 of the F-Catalog	4	Test

1	2	3	4
The total amount of mandatory components:		44	
The total amount of elective components:		16	
TOTAL VOLUME OF THE EDUCATIONAL PROGRAM		60	

AD – academic discipline, ED – elective discipline, F-Catalog – elective educational components from interfaculty/faculty/departmental catalogues.

3. SCIENTIFIC COMPONENT

Year of preparation	The content of the graduate student's scientific work	Form of control
1 st year	<p>Selection and substantiation of the topic of personal research, specifying the exact content, deadlines and scope of scientific work; selection and substantiation of the methodology of personal research, review and analysis of current problems and modern trends in the chosen field.</p> <p>Preparation and publication of, at least, 1 article (usually a review) in scientific professional editions of category B (domestic or foreign) on the research topic; participation in scientific and practical conferences (seminars) with publication of abstracts of reports.</p>	Approval of the individual plan of the graduate student's work at the academic council of the institute/faculty, reporting on the progress of the individual graduate student's plan twice a year
2 nd year	<p>Conducting personal research under the guidance of a supervisor, which involves solving research problems through a set of theoretical and empirical methods.</p> <p>Preparation and publication of at least one article in scientific professional editions of category B (domestic or foreign) on the research topic; participation in scientific and practical</p>	Reporting on the progress of the individual graduate student's plan twice a year

	conferences (seminars) with publication of abstracts of reports.	
3 rd year	Analysing and summarizing the obtained results of personal scientific research; substantiation of their scientific novelty and of their theoretical and/or practical significance. Preparation and publication of at least one article in scientific professional editions of category B on the research topic; participation in scientific and practical conferences (seminars) with publication of abstracts of reports.	Reporting on the progress of the individual plan of the graduate student twice a year
4 th year	Presentation of the graduate student's scientific achievements in the form of a dissertation, evaluation of the completeness of the thesis results reported in scientific articles according to the current requirements. Implementation of the achieved results and obtaining confirmation documents. Submission of documents for preliminary examination of the dissertation. Preparation of a scientific report for final certification (public defense of the dissertation).	Reporting on the progress of the individual graduate student's plan twice a year. Providing an opinion on the scientific novelty, theoretical and practical significance of the dissertation results.

4. STRUCTURAL AND LOGICAL SCHEME OF THE EDUCATIONAL PROGRAM



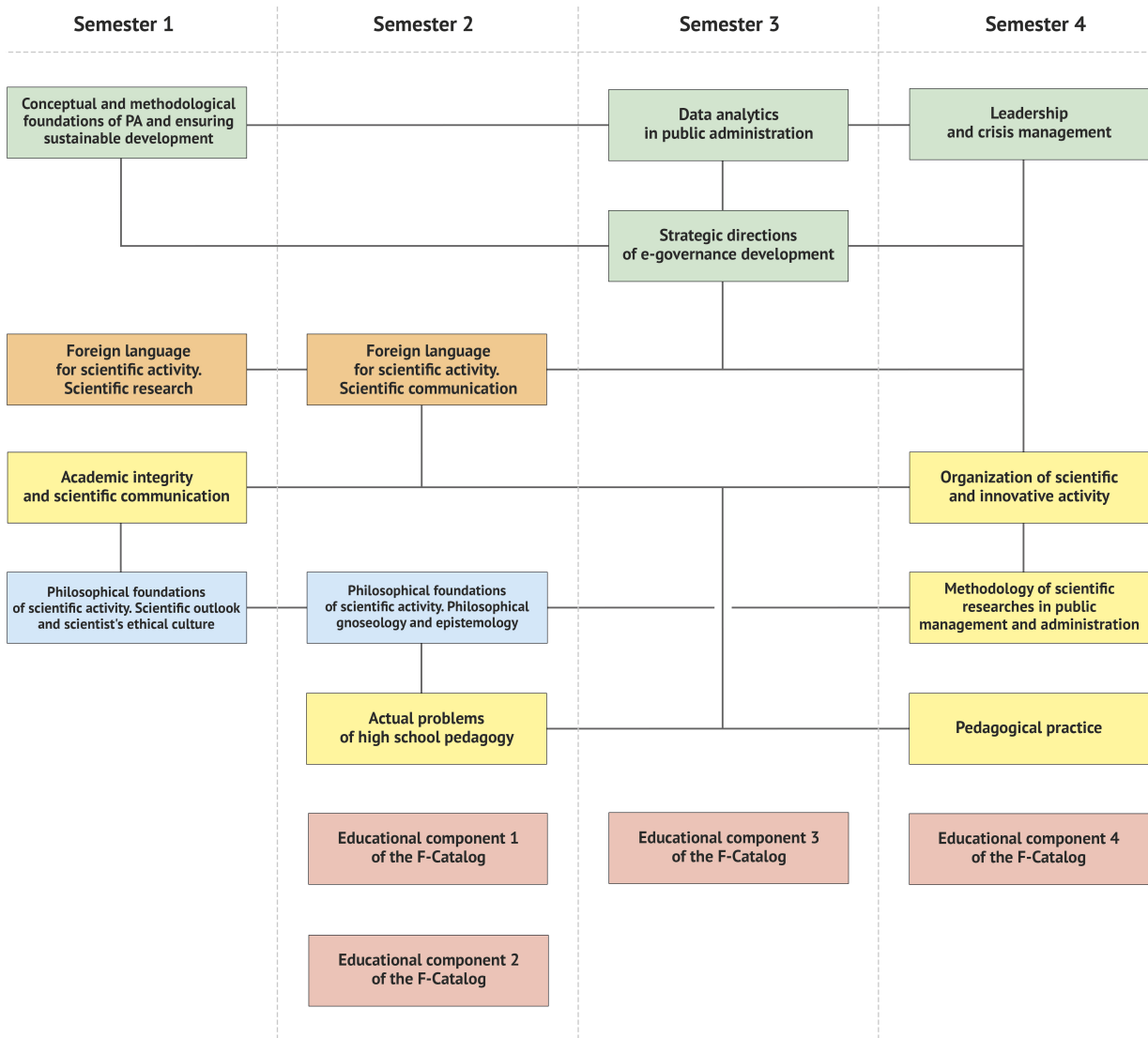
Igor Sikorsky Kyiv Polytechnic Institute
Faculty of Sociology and Law
Department of theory and practice of management

Structural and logical scheme of the educational program

Specialty
281 Public management
and administration

Educational and scientific program
Public management
and administration

Degree of higher education
Third (educational and scientific) level
(Doctor of Philosophy)



Mandatory educational components

Academic disciplines for obtaining of universal competencies of the researcher

Academic disciplines for obtaining language competencies

Academic disciplines for obtaining in-depth knowledge in the specialty

Academic disciplines for obtaining general scientific (philosophical) competencies

Elective educational components

Individual educational trajectory
Elective disciplines in the field of postgraduate research

PA – public administration

5. FORM OF GRADUATE CERTIFICATION OF HIGHER EDUCATION APPLICANTS

Graduate certification of applicants for higher education under the educational-scientific program “Public Management and Administration” in the specialty 281 Public Administration with the academic degree of Doctor of Philosophy is carried out in the form of public defense of the dissertation. The dissertation for the degree of Doctor of Philosophy is an independent detailed research that offers a solution to a complex problem in the field of Public Management and Administration or at some intersections with other overlapping specialties, which involves a deep rethinking of existing and creation of new holistic knowledge and/or professional practice. The dissertation should not contain academic plagiarism, falsification, fabrication. The dissertation should be posted on the Igor Sikorsky KPI website. The dissertation must meet other requirements established by the legislation.

6. MATRIX OF PROVIDING PROGRAM LEARNING RESULTS BY RELEVANT COMPONENTS OF THE EDUCATIONAL PROGRAM

		Philosophical foundations of scientific activity	Foreign language for scientific activity	Conceptual and methodological foundations of PA and ensuring sustainable development	Leadership and crisis management	Strategic directions of e-governance development	Data analytics in public administration	Methodology of scientific researches in public management and administration	Organization of scientific and innovative activity	Actual problems of high school pedagogy	Pedagogical practice	Academic integrity and scientific communication
		AD 1	AD 2	AD 3	AD 4	AD 5	AD 6	AD 7	AD 8	AD 9	AD 10	AD 11
PL01	Master the conceptual and methodological approaches to PMA taking into account interdisciplinary links, as well as research skills sufficient to conduct scientific and applied research at the level of the latest world achievements in the relevant field, gaining new knowledge and/or implementing innovations	✓		✓				✓	✓			
PL02	Freely present and discuss research results, scientific and applied problems with PMA state and foreign languages, professionally reflect the results of research in scientific publications in leading Ukrainian and international scientific publications		✓		✓				✓			✓
PL03	Formulate new ideas, use appropriate evidence to substantiate conclusions, in particular, the results of theoretical analysis, experimental research, modeling, forecasting, programming and design	✓		✓			✓	✓	✓			
PL04	Plan and perform theoretical and applied research on PMA and related interdisciplinary areas using modern tools					✓	✓	✓	✓			
PL05	Deeply understand the general principles and methodology of PMA, apply them in their own research in the public sphere and in teaching practice			✓				✓			✓	
PL06	Be able to identify, evaluate and justify strategic directions of development at the higher, central, regional, local levels and at the level of public organization				✓	✓		✓				
PL07	Be able to develop new approaches and adapt EG and e-democracy best practices to the needs of sustainable development			✓		✓		✓			✓	
PL08	Be able to use modern IT and tools in scientific, educational (pedagogical) and professional activities					✓	✓		✓	✓	✓	✓
PL09	Be able to obtain scientifically-applied results, which contribute to the solution of an important theoretical or an applied problem in the field of PMA of national or global importance							✓	✓			

		Philosophical foundations of scientific activity	Foreign language for scientific activity	Conceptual and methodological foundations of PA and ensuring sustainable development	Leadership and crisis management	Strategic directions of e-governance development	Data analytics in public administration	Methodology of scientific researches in public management and administration	Organization of scientific and innovative activity	Actual problems of high school pedagogy	Pedagogical practice	Academic integrity and scientific communication
		AD 1	AD 2	AD 3	AD 4	AD 5	AD 6	AD 7	AD 8	AD 9	AD 10	AD 11
PLO 10	Know and adhere to the basic principles of academic integrity in scientific and educational (pedagogical) activities							✓	✓	✓	✓	✓
PLO11	Be able to teach at a high scientific-theoretical and methodological level disciplines in the specialty "PMA", to develop in accordance with modern requirements of educational method of these disciplines	✓	✓							✓	✓	✓

Note: PMA – Public Management and Administration, EG – e-governance, ED – e-democracy.

7. MATRIX OF CONFORMITY OF PROGRAM COMPETENCIES TO THE COMPONENTS OF THE EDUCATIONAL PROGRAM

		Philosophical foundations of scientific activity	Foreign language for scientific activity	Conceptual and methodological foundations of PA and ensuring sustainable development	Leadership and crisis management	Strategic directions of e-governance development	Data analytics in public administration	Methodology of scientific researches in public management and administration	Organization of scientific and innovative activity	Actual problems of high school pedagogy	Pedagogical practice	Academic integrity and scientific communication
		AD 1	AD 2	AD 3	AD 4	AD 5	AD 6	AD 7	AD 8	AD 9	AD 10	AD 11
GC01	Ability to abstract thinking, analysis and synthesis	✓		✓	✓	✓		✓		✓		
GC02	Ability to search, process and analyze information from various sources			✓	✓	✓	✓			✓		✓
GC03	Ability to form a systematic scientific worldview, professional ethics and academic integrity	✓		✓	✓	✓		✓	✓	✓		✓
GC04	Ability to initiate research and innovation projects and work autonomously during their implementation				✓	✓			✓			✓
GC05	Ability to establish scientific interaction, cooperation	✓	✓				✓		✓	✓		✓
SC01	Ability to present and discuss the results of scientific research and / or innovative developments orally and in writing		✓		✓	✓	✓		✓	✓		
SC 02	Ability to carry out scientific and pedagogical activities in higher education		✓	✓	✓	✓	✓		✓	✓	✓	✓
SC 03	Ability to identify, pose and solve research problems in the field of Public Management and Administration, evaluate and ensure the quality of research	✓		✓	✓	✓			✓			✓
SC 04	Ability to form and develop new ideas or processes in advanced contexts in the field of Public Management and Administration			✓		✓		✓				
SC 05	Ability to develop new approaches and adapt best practices, apply and improve management technologies in the field of Public Management and Administration in conditions of new challenges and risks			✓	✓	✓	✓	✓				
SC 06	Ability to develop scientifically sound recommendations for improving Public Management and Administration						✓		✓			✓
SC 07	Ability to determine, scientifically substantiate and critically evaluate strategic development directions at the national, regional, local and organizational levels on the basis of the concept of sustainable development		✓		✓	✓	✓	✓				

		Philosophical foundations of scientific activity	Foreign language for scientific activity	Conceptual and methodological foundations of PA and ensuring sustainable development	Leadership and crisis management	Strategic directions of e-governance development	Data analytics in public administration	Methodology of scientific researches in public management and administration	Organization of scientific and innovative activity	Actual problems of high school pedagogy	Pedagogical practice	Academic integrity and scientific communication
		AD 1	AD 2	AD 3	AD 4	AD 5	AD 6	AD 7	AD 8	AD 9	AD 10	AD 11
SC 08	Ability to ensure the appropriate level of quality of scientific / scientifically-methodological products, services or processes				✓			✓	✓	✓	✓	✓
SC 09	Ability to apply modern information technologies in scientific, educational (pedagogical) and professional activities				✓	✓	✓		✓	✓	✓	
SC 10	Ability to make scientifically based management decisions and research in the conditions of digital transformation of public management and administration			✓	✓		✓	✓	✓	✓	✓	