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PORTRAIT OF A CONTEMPORARY ACADEMICALLY VIRTUOUS PHD STUDENT: AB EXTERIORIBUS AD INTERIORA

The academic progression of PhD students involves the refinement of analytical and critical acumen, constituting indispensable attributes for their scholarly pursuits. These competencies empower them to conduct efficacious research and to actively participate in the scholarly community, fostering knowledge exchange and contributing substantively to the overall advancement of science. The academic profile of a PhD student can be delineated through immersion in research activities, interdisciplinary collaboration, internationalization, pedagogical contributions, professional development, social responsibility and proficiency in analytical and critical skills.

Modern PhD students distinguish themselves through an elevated level of research activity, undertaking original research initiatives, publishing in specialized domains of knowledge, and actively participating in scientific forums; manifest an inclination toward interdisciplinary research, striving to integrate disparate fields of knowledge to glean novel perspectives and address intricate challenges. The significance of international exposure for PhD students is evident. Participation in international conferences, exchange programs, and collaboration with scholars from diverse origins has become an integral facet of their academic portfolio. Contemporary PhD students may assume pedagogical roles or contribute to educational programs, disseminating their knowledge and experiences among their peers. The ability for continuous self-improvement and active engagement in scientific seminars, workshops stands out as a salient feature. PhD students can actively interface with the public, participating in social and scientific-educational initiatives, thereby contributing to the progression of science and societal advancement. PhD students cultivate the ability to analyze and think critically, integral for the efficacious execution of research and the holistic development of the scientific community. The nuanced academic profile of a PhD students reflects their immersion in research, unwavering commitment to interdisciplinary collaboration, pursuit of international experiences, active involvement in teaching, dedication to professional development, sense of social responsibility, and adeptness in analytical and critical skills.

Key words: *PhD student, academic integrity, pedagogic activity, scientific research, professional development, internationalization.*

Current relevance. The list of competencies that a future Ph.D. must master is clearly and logically demonstrated in the regulatory sources of Ukraine, as well as in the administrative-regulatory documents of higher education institutions: completing the educational and scientific program; acquisition of theoretical knowledge, skills, and competencies sufficient for generating new ideas and solving complex problems in professional and research-innovative fields; mastery and implementation of the methodology of scientific and pedagogical activities; conducting research that has novelty and theoretical/practical significance; defense of the dissertation research [10]. However, on the other hand, in the context of regulatory documents, none of them currently includes a comprehensive list of values that should be crucial for a future Ph.D. in the process of professional training. The absence of such an exhaustive list may serve as an additional stimulus for independent determination of values and goals that are essential for a specific doctoral student. Therefore, a future Ph.D. has the opportunity to shape their own life plan, taking into account their ideals, interests, motivation, and principles, which is a key aspect of personal development. Such an approach promotes flexibility and individualization in the formation of a future Ph.D., allowing them to define their own values and aspirations in the context of higher education and research.

Analysis of recent researches. The question of the professional training of educational workers was addressed in the works of H. Mykhailyshyn [5] and M. Chobitko [6]. The scholarly interest in the subject of the educational-scientific process of a Ph.D. was intensified in the works of O. Antonova [7], S. Vitvytska [8], A. Kuzmenko [11], S. Menyailo [12], V. Yagupov [15] and others, focusing on professional values and motivation.**Purpose of the research**. The purpose of the research is to characterize the main features of contemporary PhD student in accordance with the academic integrity demands.

Presentation of main research. Being part of the multidimensional pedagogical process in higher

education, the future teacher gains the opportunity to comprehend the multifaceted nature of their own personality [13, p. 15]. In the context of changes in the educational and scientific fields, the contemporary graduate student possesses a set of characteristics that define their academic profile.

This includes a high level of research activity, interdisciplinarity, internationalization, teaching and instructional activities, professional development, social responsibility, analytical, and critical skills:

1. Research Activity:

The contemporary graduate student plays an integral role in the research system, becoming a key link in shaping scientific progress. Their research activity involves conducting original scientific studies aimed at addressing current issues in their respective field of knowledge [12]. Such a graduate student not only deepens their own knowledge but also makes a significant contribution to the development of the scientific environment.

The overall context of research in modern graduate programs encompasses a wide range of topics. Graduate students engage in research that reflects current issues in their field. This can be innovative research in natural sciences, humanities, social technologies, or other scientific disciplines. By initiating and implementing such projects, graduate students catalyze scientific progress.

An important aspect of the graduate student's research activity is their ability to explore the latest technologies, trends, and methodologies in their field. Modern technologies provide graduate students with the opportunity to use new tools for data collection and analysis, develop innovative research methods, and acquire new knowledge. Integrating cutting-edge technologies into research projects allows graduate students to maintain a high level of scientific quality in their work and achieve significant results.

One of the key features of research activity is originality. Graduate students conduct research that has a unique character and makes a new contribution to the field of knowledge. The ability to generate new ideas and approaches allows graduate students to become pioneers in their field and influence its development.

Moreover, graduate students actively collaborate with scientific conferences, seminars, and workshops. They present their research, exchange ideas with colleagues and scholars from other institutions. This not only allows them to receive informed evaluations of their work but also expands their professional network and enables interaction with experts in their chosen field.

In summary, the research activity of the contemporary graduate student is characterized by activism, originality, and the use of cutting-edge technologies. It is aimed at addressing complex issues facing modern society and making a significant contribution to the development of the scientific world. Graduate students emerge as creative researchers overcoming academic challenges and helping shape the future of science and technology.

2. Interdisciplinarity and Cross-Sectoral Partnerships:

The emphasis on interdisciplinarity in research is a key aspect of the modern academic environment. Contemporary graduate students recognize the importance of integrating various scientific disciplines to achieve comprehensive and innovative results. This approach reflects the acknowledgment that complex issues facing modern society are most effectively addressed when different fields of knowledge collaborate.

Interdisciplinary research allows graduate students to consider problems from various perspectives, utilizing tools and methods traditionally used in different scientific areas. This fosters a growth in creative approaches and the generation of new ideas that can be applied in different contexts.

There is a noticeable increase in interest in cross-sectoral partnerships, especially between universities, industry, and the public sector. This contributes to the exchange of knowledge, resources, and experts across different sectors. Universities can participate in collaborative research projects with companies and public sector organizations aimed at addressing specific challenges and issues.

One of the important aspects of interdisciplinary and cross-sectoral efforts is the development of innovative solutions that can be effectively implemented in practice. Involving experts from different fields contributes to the creation of comprehensive approaches to problem-solving, requiring a broad spectrum of knowledge and skills.

Interdisciplinarity also helps graduate students broaden their horizons and deepen their knowledge by using an integrated approach to studying issues. They can participate in courses, seminars, and lectures from various scientific fields, allowing them to expand their scientific arsenal and prepare to become more flexible and versatile scholars.

In summary, the emphasis on interdisciplinarity and cross-sectoral partnerships reflects contemporary trends in science, where collaboration and the integration of different knowledge domains become key factors in achieving scientific heights and addressing complex challenges. Graduate students, by engaging in interdisciplinary research and collaborating with different sectors, contribute to the development of the scientific environment, the exchange of innovative ideas, and the resolution of contemporary societal issues.

3. Internationalization:

Internationalization plays a crucial role in shaping the academic profile of a modern graduate student. The rapid development of technologies and the globalization of scientific and research efforts make par-

ticipation in international initiatives a necessary component of a successful scientific career.

One of the key features of a modern researcher is the desire to gain international experience and knowledge. Graduate students prefer to participate in international conferences, seminars, and working groups where they can share their research and receive feedback from scholars from different countries. This not only contributes to an increase in publications and the expansion of scientific networks but also allows graduate students to explore various approaches and methodologies in scientific research.

Exchange programs are another important component of internationalization. Many universities support student and graduate student exchanges to provide young scholars with the opportunity to gain experience in different scientific environments. This fosters the development of intercultural communication, improves language skills, and broadens horizons during the execution of scientific tasks.

Collaboration with scholars from other countries also becomes a vital part of a graduate student's academic life. It allows the integration of diverse research approaches and expertise. International cooperation enables the creation of large and interdisciplinary research groups capable of solving complex problems and generating innovative solutions.

However, internationalization is not limited to practical aspects. It also contributes to the development of intercultural and global awareness among graduate students, making them more tolerant and open to diversity.

In summary, internationalization in the scientific research of a modern graduate student plays a critical role in shaping a competent, globally-oriented researcher. It provides the opportunity to perceive issues from different perspectives, expands collaboration opportunities, and ensures a high level of scientific expertise.

From this perspective, we believe that mobility, as a value and a means to achieve life goals for future early childhood educators and professional educators, will enable them to orient themselves towards innovative trends, be active agents of such transformations, contribute to the formation of an active professional position, continuous self-development, and the flexible construction of their own life trajectory, which is a guarantee of success [2, p. 130–132].

4. Teaching and Educational Activities:

Teaching and educational activities have become integral parts of the life of a modern graduate student, opening new opportunities for professional and personal growth. Participation in teaching and educational work allows graduate students to interact with various aspects of higher education and contributes to the formation of their academic profile.

Graduate students can engage in learning as students, collaborating with other teachers and colleagues. This creates an atmosphere of mutual learning, where everyone has the opportunity to share their knowledge and view subjects from different perspectives. Interaction with students also fosters the development of effective communication skills and teaching methodology.

The ability to teach is an important aspect for any researcher, and it becomes even more significant in the context of the academic process. Many universities encourage graduate students to participate in teaching programs, providing them with opportunities to give lectures, seminars, or even conduct their own courses. This not only allows graduate students to share their knowledge and expertise but also develops their teaching and leadership skills.

For a graduate student, it is crucial not only to acquire new knowledge but also to effectively convey it to others. Teaching activities help the modern graduate student expand their methodological approaches, develop pedagogical interaction skills, and communicate optimally with students. It can also draw attention to their own research topics and create a supportive academic environment.

Additionally, participation in educational programs may involve organizing seminars, workshops, or summer schools. This creates opportunities for collaboration with scholars from other universities and research institutions. Such events facilitate the exchange of experiences and deepen knowledge in specific fields.

In summary, teaching and educational activities open up opportunities for modern graduate students to actively participate in higher education, contribute to the development of teaching and communication skills, and engage with a diverse community of students and faculty.

5. Professional Development:

The professional development of graduate students is a key component of their academic journey and a decisive factor in building a successful scientific career. According to O. Ostapchuk [13], who believes that the foundation of professional development is personal self-improvement – the individual's aspiration to maximize their potential, realizing and refining personal qualities. Focused on continuous self-improvement [4], the professional development of graduate students includes various measures aimed at expanding their skills, acquiring new knowledge, and interacting with the scientific community.

Self-development with the formation of specific professional qualities in the learner, contributing to their development as a professional [3, p. 114-116].

Participation in scientific seminars and conferences is a crucial aspect of the professional development of graduate students. These events provide them with the opportunity to present their research, exchange ideas with colleagues, and receive feedback from recognized experts in the relevant field.

Participation in international conferences also contributes to the expansion of international connections and provides diverse perspectives on solving scientific challenges.

Training sessions and seminars focused on developing specific skills, such as scientific writing, data analysis, public speaking, etc., represent another aspect of the professional growth of graduate students. These activities help them refine the technical and methodological aspects of their work, essential for the successful implementation of scientific projects.

Partnerships and collaboration with other researchers and groups become yet another promising component of the professional development of graduate students. Interdisciplinarity and cross-sectoral partnerships can address complex tasks and stimulate innovative research, contributing to the broadening of horizons and the introduction of new approaches in their respective fields.

The professional development of graduate students also involves support from their academic advisors and research institutions. Providing opportunities to participate in projects with a real impact on society and ensuring access to cutting-edge technologies and equipment expand the scope of their research and allow them to gain valuable practical experience.

In summary, the professional development of graduate students is a multifaceted process that encompasses both academic achievements and the development of practical skills. Engaging actively in professional development activities, graduate students become critical thinkers capable of making a significant contribution to their chosen fields and addressing complex scientific challenges.

6. Social Responsibility:

Social responsibility, as highlighted by V. Ternopilska, emphasizes that responsibility as a human trait encompasses a conscious duty [14]. The social responsibility of contemporary graduate students is defined by their desire to make a significant contribution to the development of science, education, and society as a whole [9, p. 18–20]. This aspect is manifested in various forms of participation in civic and scientific-educational initiatives aimed at addressing pressing issues and promoting positive changes.

Graduate students actively engage in various civic initiatives focused on social welfare. This may include participation in volunteer programs aimed at improving conditions for underprivileged populations or providing educational support for children and youth. Such initiatives allow graduate students to demonstrate their responsibility to society and develop communication, leadership, and collaboration skills.

In addition to participating in charitable events, graduate students actively contribute to scientific-educational initiatives aimed at disseminating knowledge and fostering the development of the scientific community. Organizing scientific seminars, lectures, conferences, and other events promotes the exchange of ideas, knowledge expansion, and addressing important issues in various fields of science.

A crucial part of graduate students' social responsibility is their involvement in the development and implementation of scientific projects addressing social, environmental, or ethical issues. Conducting research aimed at improving people's quality of life and addressing global challenges becomes not only a subject of scientific interest but also a means of active participation in the social and scientific process.

Contemporary graduate students view social responsibility not only as an obligation to society but also as a means of developing their character and forming a personal value system. They realize the importance of their role in the scientific and social spheres, contributing to the interaction between science, education, and civil society.

In conclusion, the social responsibility of contemporary graduate students is evident in their active participation in civic and scientific-educational initiatives, reflected through the development of scientific projects, and aimed at achieving positive changes in society and the scientific community.

7. Analytical and Critical Skills:

The analytical and critical skills developed by graduate students determine their ability not only to conduct research effectively but also to actively participate in the formation and development of the scientific community. These skills serve as an important toolkit for solving complex scientific tasks, formulating innovative ideas, and building dialogue within the scientific environment [1, p.35-37].

During their graduate studies, students actively engage in conducting analytical research. They study various methods and approaches to analyzing scientific data, select effective tools for information processing, and enhance their skills in statistics and mathematical modeling. This is essential for the accuracy and reliability of their research results.

Critical thinking also becomes a crucial part of graduate student activities. Students learn to analyze various scientific approaches, consider alternative viewpoints, and provide well-founded critical assessments of scientific concepts. They learn to distinguish between different schools of thought, identifying the strengths and weaknesses of various scientific theories.

A key component of critical thinking is the ability of graduate students to critically evaluate their own research. They study methods of self-control and self-assessment to improve the accuracy and objectivity of their results. This is important to avoid potential systematic errors and increase trust in their scientific work.

Active participation in discussions, seminars, and conferences is a vital part of developing analytical and critical skills. The ability to effectively argue one's position and listen to others is crucial for fostering constructive scientific dialogue.

Additionally, graduate students become involved in reviewing and evaluating the scientific works of other researchers. This develops their ability to objectively assess the scientific contributions of their colleagues and provides an opportunity to contribute to the formation of scientific consensus.

Conclusion and Perspectives. The analytical and critical skills developed by graduate students play a crucial role in their academic careers. These skills enable them not only to conduct successful research but also to actively engage with the academic community, facilitating the exchange of knowledge and contributing to the overall development of science.

All these aspects come together to form a comprehensive profile that reflects the modern requirements and trends in higher education and research. Graduate students are not only acquiring new knowledge but also actively interacting with the scientific community, making a significant contribution to the advancement of their field and society as a whole.

Therefore, the academic profile of a contemporary graduate student can be characterized by several key aspects: research activities, interdisciplinary collaboration, internationalization, teaching and pedagogical activities, professional development, social responsibility, and analytical and critical skills.

Modern graduate students distinguish themselves with a high level of research activity. They engage in original research, publish in designated fields of knowledge, and participate in scientific events. Graduate students today show an interest in interdisciplinary research, attempting to combine different fields of knowledge to gain new insights and solve complex tasks.

The importance of international experience for graduate students is growing. Participation in international conferences, exchange programs, and collaboration with foreign scholars has become a crucial part of the academic profile. Modern graduate students can teach or participate in educational programs, sharing their knowledge and experience with other students.

The ability for continuous self-improvement and participation in scientific seminars, workshops, and other forms of professional development is a significant aspect of the profile. Graduate students can actively interact with the public, participate in social and scientific-educational initiatives, contributing to the development of science and society.

Graduate students develop the ability to analyze and think critically, which is crucial for the successful conduct of research and the development of the scientific community. In summary, the multifaceted academic profile of a contemporary graduate student reflects their engagement in research, commitment to interdisciplinary collaboration, pursuit of international experience, involvement in teaching, dedication to professional development, sense of social responsibility, and the cultivation of analytical and critical skills.

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Кузьменко А. О. Портрет сучасного доброчесного аспіранта: Ab exterioribus ad interiora

Академічний розвиток сучасних аспірантів передбачає вдосконалення аналітичних та критичних навичок, що є невід'ємними для їхньої наукової діяльності. Ці компетенції надають їм можливість успішно проводити дослідження та активно взаємодіяти з науковою спільнотою, сприяти обміну знанням і робити значущі внески у загальний розвиток науки. Академічний профіль сучасних аспірантів визначається його впровадженням у дослідницькі процеси, міждисциплінарною співпрацею, інтернаціоналізацією, педагогічною діяльністю, професійним розвитком, соціальною відповідальністю та володінням аналітичними та критичними навичками.

Сучасні аспіранти відрізняються підвищеним рівнем дослідницької активності, здійснюючи оригінальні наукові ініціативи, публікуючи у спеціалізованих галузях знань та активно беручи участь у наукових форумах. Вони проявляють зацікавленість у міждисциплінарних дослідженнях, прагнучи поєднувати різні галузі знань для отримання нових поглядів та вирішення складних завдань. Важливість міжнародного досвіду для сучасних аспірантів очевидна. Участь у міжнародних конференціях, програмах обміну та співпраця з вченими різних країн стають невід'ємною частиною їхнього академічного портфеля. Сучасні аспіранти можуть викладати або брати участь у навчальних програмах, ділитися своїми знаннями та досвідом з іншими здобувачами освіти. Здатність до постійного самовдосконалення та активна участь у наукових семінарах, воркшопах стають доречними складниками у підготовці аспірантів. Сучасні аспіранти можуть активно взаємодіяти з громадськістю, брати участь у соціальних та науково-освітніх ініціативах, сприяючи розвитку науки та суспільства. Сучасні аспіранти розвивають навички аналізу та критичного мислення, що є важливим для успішного проведення досліджень та розвитку наукової спільноти. У підсумку, нюансований академічний портрет сучасного аспіранта відображає його залучення у дослідницькі процеси, взаємодію у межах міждисциплінарного співтовариства, прагнення до міжнародного досвіду, активну участь у навчанні, відданість професійному розвитку, відчуття соціальної відповідальності та вміння аналізу та критичного мислення.

Ключові слова: *докторант, академічна доброчесність, педагогічна діяльність, наукові дослідження, професійний розвиток, міжнародизація.*