The factors of professional training of a primary school teacher in the context of the second graduate degree in Pedagogy

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Abstract. The article highlights the problem of effective education of adults receiving the second degree in Pedagogy. The importance of this problem is related to the specifics of the formation of the contingent of part-time students majoring in 013 Primary education, which is heterogeneous in age, basic education, and professional activity. The study used the method of questionnaires, interviews, observation of the educational process, methods of quantitative mathematical analysis of data processing. The normative-legal base in the context of the research is analyzed; the comparative analysis of the system of teacher training in a number of European countries is carried out. It was found that in the process of professional training of primary school teachers in the second graduate degree should take into account the following factors: age of students, their needs, social status, the availability of main education, and work due to the specialty. This determines the selection of methods and techniques of teaching, technologies that provide quality practical training, taking into account their professional and life experience, intrinsic motivation and a strong desire for self-realization. The study identified the most important principles of andragogy, which should be based on professional training of students receiving second graduate degree in pedagogic, specifically: priorities of self-study, organization of group work, use of professional experience as a source of new knowledge, relevance of knowledge and experience, self-motivation. This made it possible to identify the priority forms of organization of the educational process, to provide a practical component of the formation of subject and methodological competencies of the modern primary school teacher.

1 Introduction

Modernization of the higher education system in Ukraine in modern conditions is caused by the increasing role of the individual who adapts to rapid changes in social and economic life. Over the last decade, the requirements for the professional competence of a graduate of a higher education institution, the degree of his readiness for continuous personal and professional development and self-improvement have significantly increased. To start with, modern social and cultural trends determine the transformation of higher education into a social mechanism of personal development; moreover, these trends focus on training a specialist who can adequately accept the challenges of a society and establish the direction of further activity.

According to observations, the most people choose their profession in a high school, but by no means have all of them then work within their specialty. The final choice of the profession person would like to work and get better in, proceeds commonly in a mature age. In order to acquire a new profession, some specialists get a non-formal education, complete short-term or long-term retraining courses, get certified in retraining programs, engage in self-education or undergo the professional certifi-

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Thus, demographic leaps, the availability of vacancies, new vacancies lead up to learning throughout the person’s life, the intent and necessity to change proficiency’s and professions. Based on expert estimates, the number of candidates seeking for a second graduate degree is growing by 20-30% annually. This dynamic is unchanged since 2004 to the present. More than 55% of “adult students” do not improve proficiency, but receive completely different profession. Such trend is nurtured by the presence of the new specialties in the labor market and the current educational trend of “Lifelong Learning” [2, 3].

The goals of the article are the identification of factors of effective education of adults receiving the second graduate degree in Pedagogy.

2 What the law says?

The Law of Ukraine “On Higher Education” (as amended on September 25, 2020) states that no one may be restricted in the right to receive the higher education (Section I, Article 4). Citizens of Ukraine have the right to obtain a second graduate degree free of charge due to the loss of the opportunity to perform official duties according to main education based on the conclusions of the medical and social expert commission [4]. Persons who have obtained the specialist educational and qualification level at the expense of the state budget may obtain a master’s degree only at the expense of individuals. The Order of the Ministry of Education and Science of Ukraine “On Approval of the Conditions of Admission to Higher Education Institutions of Ukraine” establishes the rules of admission for persons entering on the basis of a previously obtained main education. There are no age restrictions on obtaining a second graduate degree in accordance with current legislation. However, some institutions of higher education set a 35–45-year age limit depending on the features of the specialty.

3 The reasons to choose the second graduate degree in Pedagogy

Today the pedagogical education in the labor market in Ukraine is one of the highly requested among employers. The demand for high-quality educational services is growing every year – modern private educational and development centers are opening. The majority of them provide the development and education of children at preschool and primary education. Graduates who obtain a high-quality second graduate degree in the specialty 013 Primary education have the ability to work not only as teachers but also as correctional and rehabilitation teachers, mythologists in innovative educational centers, inspectors in children social protection authorities, online academies, etc. The teaching is also providing a career growth – in time it is possible to take the position of deputy headmaster or headmaster, go through the system of teacher training and obtain the pedagogical title of “school counselor”.

Quite a few masters’ graduates, who have successfully mastered the educational program of professional training, are employed abroad and have a significant success.

4 Current practice of teacher training in the Europeans educational system

In some countries, second graduate degree is similar to the optional professional course. Due to this condition, anyone can receive a pedagogical education by completing a shortened training program.

Higher pedagogical system in Poland is represented by a number of institutions (universities, higher pedagogical schools and pedagogical academies, as well as academies of physical education), where those who is interested in can obtain a second graduate degree (specialization) after a two-year retraining program [5]. According to the provisions of the law on education “Karta Nauczyciela”, five stages of teacher professional development have been established. At the initial level, it is a “trainee” who teaches in educational institutions for one or two years. After a successful interview with representatives of the educational commission consisting of a mentor, headmaster, head of the pedagogical department of the higher education institution and a trade union representative, the trainee moves to the level of “contract teacher”. In this position, the teacher must work at least three years. The next step is to pass a methodical exam, which gives the opportunity to improve the professional qualification to the level of “nominated teacher”. In this position, the teacher must work for three years and re-interview with representatives of the educational commission. According to The Polish Education Act now the commission includes: the director of an educational institution or a deputy director, three experts from the Ministry of Education and a trade union representative. The fourth level is a “certified teacher”. For the most Polish teachers it is final step in professional development. However, some professionals are trying to reach the fifth level – “professor of education”.

In Germany, the procedure for obtaining a second graduate degree, or Zweistudium, is no different from the obtaining of the main education. Students study together with those who receive a bachelor’s degree for the first time. In such circumstances, the study of professional disciplines takes place at an in-depth level, which means full immersion in the specialty: the opportunity to attend a full lecture course, participate in seminars and workshops, as well as practice in educational institutions on a paid basis [6]. Another advantage of the second graduate degree in Germany is a flexibility of education system, which is implemented in a mixed form. The basic professional training of teachers represents in two stages: a period of practical training at the university and practical training at school. Teacher training programs are provided by the following universities: Technische Hochschulen / Technische Universitäten, Pädagogische Hochschulen (pedagogical colleges). Recently, the percent of active pedagogical school practice related to the courses of higher education has been increasing in the respective training program. In each state teacher training centers are founded that form the chain between higher education institutions and the school in order to ensure the quality of students’ pedagogical practice.
The teacher training system in the UK is quite flexible. To become a teacher, you can enroll in courses or a series of courses for students at a university that provides a teacher education. The educational programs of the courses are structured in such a way that allows a student to combine studying and work activities.

To have a right to work in public educational institutions, it is necessary for the job applicant to acquire the level a “qualified teacher status” (QTS). To obtain a QTS, you must have a bachelor’s degree or an equivalent qualification. In addition, it is mandatory to pass certification for compliance with the professional standards [7].

The UK university teacher-training program includes three components that are close correlated and provide both the basic educational concepts as well as the practical skills needed for successful professional growth. The curriculum addresses all aspects of teacher training, including the development of subject planning skills, teaching, assessment of student achievement, and classroom management. Students under the guidance of university academicians carry out educational and professional research in order to develop and implement modern learning technologies in the educational process. The third component is the pedagogical practice; students go through it in partner schools to train professional competencies [8].

In Finland, there are various teacher-training programs in the higher education system – primary school teachers (grades 1-6) and subject teachers, who provide teaching of different subjects in grades 7-9. For a long time, the primary school teacher is constantly one of the most popular professions. Every year, a large number of entrants (up to 7,000 people) who have graduated from high school with honors, seek education in educational programs for primary school teachers [9]. In order to become a teacher (both elementary school and subject teacher), you must obtain a master’s degree. The duration of relevant university courses is 5 years. Today, the development of the practical skills is the basis of practical training of teachers at the university that helps forward to the extension of professional competencies. Active pedagogical practice starts in the first year of study and provides a combination of theory and practical proficiency. During this period, students observe the activities of teachers and students in the educational process; carry out psychological and pedagogical analysis. During the second and third years of study, students teach alone, assess trainee achievement and perform the duties of a class teacher. In the fourth year of study, students are participating in meetings of methodological associations of teachers, in the preparation of school activities. While they overcome the difficulties that arise when combining theory with practice, they create their own professional portfolio and fill in reflective learning logs. The portfolio and the reflective study journal are constantly reviewed by the teacher-supervisor of the practice. Then on the basis of it the practical professional activity of students is adjusted. Thus, students are aware of how modern concepts of learning are implemented in the educational process of the school. The management of pedagogical practice is carried out by university academicians and school teachers. Implementation of the innovative approach provides conditions for systemic innovative changes in the activities of such institutions aimed at its development and improvement, promotes the introduction of new content and forms of management, integrated methods, information and communication, and interactive technologies of teaching and educating students, building a modern management structure, improves organizational and professional culture. The application of competence and personality-oriented approaches to the management of such educational institutions based on innovative technologies reflect the interconnected innovative individual activities of management entities, identify socially significant positions of the individual in the team, taking into account not only professional requirements but also personal needs of each participant.

It is worth noting that today in the European educational system, there are similar models of higher pedagogical education, and special attention is focused on practical training.

5 The special aspects of adult education

Today in Ukraine, the strict attention is paid to the development and implementation of an effective policy of adult education and training; such a policy is needed due to the number of reasons. One of the important factors is the Ukraine’s entry into the European educational field. This involves the development of all components of the system of Lifelong Learning. Lifelong learning is a tool that ensures the modernization of the economic, social and humanitarian sphere of the country. Adult education provides for the usage of all education forms on all levels, which allow adults who have a main education to acquire new competencies or enhance professional knowledge and skills. According to the definition of the European Association for Adult Education (EAEA), the segment of “adult education and training” in European practice covers formal, non-formal and spontaneous forms of adult education [10, 11]. The second reason is the year-on-year growth of demand for adult education providers. In the field of education for adults, Ukraine is endowed with a number of international instruments, unilateral and bilateral agreements, which outline certain issues of adult education, especially, such international instruments as the Incheon Declaration and Framework for Action [12]; Sustainable Development Goals to 2030, SDG 4 in the Final Document of the UN Summit “Transforming our world: an agenda for sustainable development until 2030” (adopted in 2015 and ratified by Ukraine in 2016) [13]; Priorities of the Eastern Partnership until 2020 [14]; Hamburg Declaration of UNESCO, 1997 [15]; Association Agreement between the European Union and Ukraine [16].

The Law of Ukraine “On Education” (as amended on 16.11.2020) in Article 18 states that adult education is a component of lifelong learning which aimed to the enforcement of the of every adult to lifelong learning, with respect to his/her personal needs, priorities of social development and the needs of the economy. The components of adult education are postgraduate education; professional training of employees; retraining or advanced training.
In order to determine the specific aspects of professional training of primary school teachers who receive a second graduate degree in Pedagogy, we conducted a study of a student quota who have chosen the specialty 013 Primary Education of Kryvyi Rih State Pedagogical University (external study mode) and graduated the university with bachelor and master degree over the last two years. To collect experimental data, a Google form of a questionnaire was developed, which provides clarification of issues related to rethinking approaches to training. 77 respondents took part in the research. The following parameters were analyzed: age, basic education, level of education, availability of practical experience in the second specialty in general secondary education institutions, advantages and difficulties that appeared in the process of obtaining a second graduate degree.

Analyzing the age characteristics of the respondents, we found that 12 students are aged 24-30 years, which is 15.6%, 18 students aged 31-35 years (23.4%), 29 students aged 36-40 years (37.6%), and only 6 students aged 41-45 years (7.8%), and 12 students aged 46-52 years (15.6%). Thus, most of them (37.6%) are aged 36-40 years (figure 1).

At this age is the time for midlife crisis, critical assessment and reinterpretation of life positions, there is common dissatisfaction in the professional and family life, the maturity comes that forces to changes, to acquire another education, profession [17–21]. This encourages a person to finally realize a child’s dream, to get rid of the state of unrealization. This thesis is confirmed by the results of interviews with respondents, among whom 46 (59.7%) indicated that they came to get a second graduate degree in pedagogic because of the aspiration, which is the strongest motivating factor in learning.

Most studies show that adults obtain a second graduate degree mainly due to the redistribution of the labor market, job loss. According to our data, this percentage is only 10 (7.7%). However, our study found another trend that few people talk about. In addition, it is mainly related to the personal needs of higher education students, their mental state.

Basically, according to the analysis of the age-related characteristics of the respondents, it is clear that the maximum age of the students is 52 years. The average age of those who obtain a second graduate degree in pedagogic is 35.2 years. Adult students are anxious about decrease in memory and mental activity. According to the respondents, it is difficult for them to assimilate and memorize a large amount of new material, professional terminology, which has a negative impact on educational and professional activities. This should be taken into account when appropriate teaching methods and technologies are selected. It is also important to keep in mind the fact that adult students obviously have children, feel responsibility for their own lives and the environment. Considering the age characteristics of the student contingent, we think, it would make sense to offer them a flexible system of education, the ways to organize self-education and mutual education.

To find out how the contingent of students who obtain the second graduate degree is formed, we analyzed the main education obtained by them in the fields of knowledge (figure 2).

The analysis of the student’s answers testifies that students seeking for the second graduate degree in the specialty 013 Primary education, previously had such professions as: 1 law (1.3%), 19 engineers (24.9%), 29 were specialists in management and administration (34.7%), 25 students had basic pedagogical education (32.9%), 2 students (2.6%) had a degree in culture and art, 1 respondent (1.3%) represented such area of knowledge as social and behavioral sciences and professional. So, most of them have basic economic, pedagogical and technical education. A specific of the specialty 013 Primary education allows you to successfully use the knowledge of the previous profession and implement those skills in the second specialty. For example, one respondent claims, “after my main education, I am a marketing expert, which allows me to offer students a variety of creative ways to present educational material. The main task of the teacher is to interest the children, motivate them to learn, to reveal the relevance and importance of information, to make the learning process accessible”.

![Figure 1. Age characteristics of respondents](image1.png)

![Figure 2. The first education of respondents by the field of knowledge](image2.png)
learn differently when motivated by professional needs in the acquisition of subject and methodological competencies. At the same time, we have to overcome a number of difficulties related to stereotypes about forms, educational environment, activities, assessment and self-assessment, etc.

The development and implementation of adult education policies is a challenge of the present time, which is becoming increasingly important in an era of rapid digitalization and a dynamic change on labor market. Adults (those who have practical experience, hold certain positions) need to update constantly their knowledge in order to meet the demands of employers. Accordingly, a new direction is founded in pedagogical science, which reveals the problems, prospects, features of adult education throughout life – andragogy.

Modern andragogy distinguishes 11 defining principles (provisions) that must be considered during the planning and conducting of training sessions [22, 23]. We think that it is important to consider the five most important of them in the process of training students who receive a second graduate degree in pedagogic in the specialty 013 Primary Education.

The first principle is the priority of self-study. This means that in order to develop the theoretical part of the discipline, it is necessary to develop a research framework (guide) for students with appropriate practical tools for its processing.

The second principle is the organization of a group work. As practice shows, cases for practical work should be offered to students to perform in groups. This in turn leads to increased levels in communication, provides the exchange of professional experience and significantly improves the quality of their performance, as well as the preparation for exams.

The use of professional experience as a source of new knowledge is the third important principle that ensures the exchange of experience, the transfer of information to each other and the production of new ideas in the discussion. Therefore, during the lectures and practical classes it is important to use discussions with problematic topics that actuate a critical rethinking of the implementation of modern pedagogical concepts, technologies and techniques. In addition, it is advisable to introduce intersessions consultations in order to implement independent project tasks more effectively.

Andragogs also highlight the principle of relevance of knowledge and experience. Therefore, in the classes it is advisable to consider the cases of students, with which you can explain the mistakes and suggest effective ways to solve them.

An important principle of adult education is self-motivation. This principle allows students to choose the topic on which they develop their own projects for independent work, work on course, bachelor’s and master’s studies.

Figure 3. The first education of respondents by the field of knowledge

Figure 4. Employment according to the second education
6 Conclusions

To conclude, we emphasized that’s learning of adult students should take place through the understanding of their own professional and life experience, considering their age, main education, personal needs.

It was determined the key factors of professional training of a primary school teacher: age of students, their needs, social status, the availability of main education, and work due to the specialty. This determines the selection of effective practical methods and techniques of teaching, technologies that provide quality training for forming them professional skills and competences.

Acquisition of the second graduate degree in pedagogic should be based on the principles of andragogy, such as the transformation of experience, its rethinking, with the attention to the analysis of practice-oriented cases, pedagogical situations, collaboration, integration of knowledge from the main and the second graduate degree, experience. The organization of such training should be flexible, to use distance and mixed form of learning. An important aspect is the assimilation of specific terminology, improving the culture of professional speech.

The process of professional training of primary school teachers in the context of the second graduate degree in Pedagogy, it is important to ensure a practice-oriented approach, flexible learning, involvement of professional communities of responsible teaching, non-formal and informal education. In addition, professional training should include the formation of skills to choose quality educational content, develop educational programs, plan the educational process, and ensure the system and manufacturability of education.

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