

STUDENT APPROACH TO INTEGRATION PROCESSES

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In the article, in connection with the development of globalization and international integration, the expansion of socio-economic relations, there is a need for mechanisms that allow rapid exchange of information on professional competencies, and these issues determine the relevance of this topic. It is explained that it is important to increase the intellectual potential of future teachers in the field of pedagogy, to enrich their worldview, to introduce them to innovative educational technologies, new, innovative forms, methods and tools of teaching, to familiarize them closely with the qualities of professional competence and creative ability of pedagogues.

Key words

development of education, professional competence, international integration, increase of intellectual potential, enrichment of worldviews, social competence, special competence, personal competence, technological competence, extreme competence

In our republic, in the decree "On the development strategy of New Uzbekistan for 2022-2026" as one of the seven priority areas related to honoring human dignity, attention is paid to the field of "ensuring spiritual development and bringing the industry to a new level" It also means that demands are placed on the system of skills, but also on the scope of professional ethical relations, and the importance of paying attention to moral-ethical relations in the fields of education.¹

Priority tasks of professional educational institutions, such as "stimulating research and innovation activities, creating effective mechanisms for the implementation of scientific and innovation achievements" and "developing a national qualification system in order to adapt personnel qualifications to the requirements of the international labor market", defined in the Action Strategy for the further development of the Republic of Uzbekistan determines the need to organize scientific and practical activities completely anew.

Ensuring the full compliance of the new professional education with international standards and developing and putting into practice the content of their personal and professional competences along with their personal and professional competences on the basis of modern approaches and putting them into practice serve to modernize professional education.

Improving the quality of education is one of the most urgent problems of the world community today. In order to solve it, it is necessary to modernize the content of education, to revise the technologies of the educational process and the ultimate goal of unconditional education. In this context, it is necessary to develop specialists' professional competence and ability to adapt professionally, to be

¹Decree of the President of the Republic of Uzbekistan dated January 28, 2022 No. PF-60 "On the Development Strategy of New Uzbekistan for 2022-2026"

able to apply the acquired knowledge in their professional activities and to adapt to the requirements of the employer.

According to M.A. Innazarov, professional competence is a sum of knowledge, skills and abilities, experience, personal qualities, which are based on the existing knowledge and experience in the process of education and socialization aimed at ensuring the independent and successful participation of a person in activities and ensure the effectiveness of professional activity².

In order to achieve the set tasks (goals) on the development of students' technological competence based on the integration approach, teachers of higher education institutions should systematically implement this work.

Interrelationship:

- a) basis of concrete implementation of general integration ideas in the theory and practice of pedagogy;
- b) provides specially organized pedagogical conditions for the development of pedagogical integration:
- v) gives direction to the indifferent process of integration, fills it with concrete pedagogical content;
- g) determines the initial composition and content of integration processes.

The model of development of technological competences in students based on an integrative approach organizes pedagogical tools, establishes various connections between them, determines the order of their use and takes into account the dynamics and integrity of development.

In the period when integration is considered as one of the important innovative phenomena in education, a modern specialist should be distinguished by the ability to be knowledgeable, morally active, responsible, cooperative, creative, and use an integrated approach in activities.

We can see that scholars interpret the integrative approach in pedagogy in different ways. I.A.Zimnyaya, E.V.Zemtsova define the integrative approach as "an integrated image of a set of objects, phenomena, processes, united by the commonality of at least one feature, as a result of which its new quality emerges."³

In order to develop the professional competence of future specialists, the practice of integrating laboratory work and computer programs allows: strengthening of knowledge on the theoretical course and practical analysis; increase interest in training and training motivation; expansion of information presentation possibilities (color, animation, music, voice speech); creating individualized education, taking into account the specific characteristics of students' memory, feeling, thinking, etc⁴.

² M.A. Innazarov. Improvement of technologies for diagnosing the professional competence of pedagogues in the qualification training system (in the case of higher education institutions). Abstract. Ped.Fan.Ph.Doc. - T. 2020. p. 11

³ Zimnyaya I.A., Zemtsova E.V. Integrativnyi pokhod k otsenke edinoy sotsialnoprofessionalnoy kompetentnosti vypusnikov vuzov /I.A. Zimnyaya, E.V. Zemtsova // Vysshee obrazovanie segodnya. – 2008. – No. 5. – S. 14-19..

⁴ Kolyagin Yu.M. Zadachi v obuchenii matematike. Chast I. Matematicheskie zadachi kak sredstvo obucheniya i razvitiya uchashchixsya [text] / Yu.M. Kolyagin. - M.: Prosveshchenie, 1977. - 110 p.

The combination of teaching forms that implement the integration of mathematical and natural sciences with general and specialized subjects, the use of integration at different levels and directions will help to develop the professional competence of future specialists.

According to V. M. Lopatkin, the integrative approach is "a tool that ensures the integrity of the world picture and contributes to the development of human systematic thinking skills in solving theoretical and practical problems⁵.

In the encyclopedic dictionary of philosophy, integration (lat. integer – whole) – 1) combining some parts and elements into a whole ⁶.

Integration in the dictionary of pedagogical terms

– 1) interrelationship of educational subjects;

2) derived from the Latin word "integration", which means reconstruction, restoration, filling; "integre" means complete, whole, whole.

Integration - organic merging with each other, absorbing each other, forming a new, single, stable generalized whole idea by combining with each other⁷.

In his research, A.I. Kurbatsky distinguishes the following types of interdisciplinary communication: communication based on the study of a certain object in different educational subjects; connections based on the application of a specific scientific method in various educational subjects; connections that arise on the basis of the application of a theory in various educational subjects ⁸.

In the theoretical analysis given above, we can conclude that integration is a phenomenon that ensures the integrity of the content of sciences by ensuring the integration of certain features, and is a reflection of systematicity in effective problem solving.

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⁶ Encyclopedic dictionary of philosophy. - T.: Publishing House "National Society of Philosophers of Uzbekistan", 2004. - B. 167-168.

⁷ Dictionary of pedagogical terms. - T.: Science, 2008. - 50 p

⁸ Kurbatsky A.I., Listopad N.I., Vorotnitsky Yu.I. Information technology and system of higher education. Informatics and education. - M., 1999. - No. 3. - P.21-27

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