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THE ROLE OF INTEGRATION IN THE FORMATION OF PROFESSIONAL QUALITIES OF FUTURE PHYSICS TEACHERS

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ABSTRACT

This article highlights the system of formation of professional qualities of future physics teachers based on an integrative approach. And also, the author drew attention to the conditions of modernization of the process of professional formation of future physics teachers.

KEYWORDS

Future physics teachers, integration, approach, personal qualities, professional qualities, system.

INTRODUCTION

Professional activity, as a holistic system, combines several components in itself. I.P. Based on the classification of podlasiy regarding the structure of professional potential, a.C. Ajibaeva interprets the

concept of «professional quality» as follows: «The result is an evolutionary dialectical movement aimed at the formation of personality traits such as the acquisition by the future pedagogue of professional



values and ideals, the expansion of his spiritual needs and interests, motives with social value, the enrichment of emotional, moral and aesthetic feelings, empathic abilities, the acquisition of practical pedagogical skills, qualifications, habits, experience of self-reflection» [2. P. 23.].

The desired professional activity is carried out on the basis of a system of formation of the necessary professional qualities. It follows from this that any activity requires a set of established qualities. A.V.Karpov and others believe that a professionally necessary quality is an individual characteristic of a sufficient and necessary subject of activity for its implementation at the level of the established norm. He noted that in the task of the profession, not only the personal psyche, but also the psyche – somatic, biological, morphological, typological, neurodynamic properties-can come to the surface. In addition, the scientist also determines the group of individual qualities that express the structure of professional maturity:

- Absolute professionally necessary qualities – a necessary characteristic for the performance of moderate activity;
- Important professionally necessary qualities that determine the possibility of achieving high and quality indicators of activity in oneself;
- Motivational preparation for the implementation of this or that activity [5. P. 109.].

The integration of the foundations of knowledge related to various areas creates the basis for their social justification for the changes taking place in the fields of Science, Education, Technology, Technology, production and economics.

There are the following forms of integration of the content of the formation of professional qualities of future physics teachers:

1. Integration according to function (methodological, profession-oriented, problem-solving, integrity, systematicity, communicativeness, organization).
2. Integration according to the development trend (priority of Education, democratization of Education, humanization of education, creativity of Education, National Orientation of education, focus on the education of a harmonious personality, inextricable dependence of education and upbringing).
3. Integration by direction (raising the authority of the teacher, development of the educational institution, introduction of advanced pedagogical technologies, professional education-integration of Science and production).
4. Integration by type (universal, universal, private scientific, problematic).
5. According to the degree of integralization (integrity, didactic, synthesis, interdisciplinary connection).
6. Integration according to the degree of implementation (traditional and non-traditional) [1. P.47.].

The process of technological convergence of Sciences is gaining new meaning. This situation is explained by the rapid implementation of information and communication technologies in the educational

process, which can fully respond to the requirement of being a «holistic Organization» of forms, methods and means of education and become the basis for the formation of innovative and pedagogical technologies.

The ultimate goal of training future physics teachers is to form a system of professional skills, specializations and psychological and pedagogical knowledge in the field of pedagogical activity, as well as the personality of the future physics teacher. The final goal not only notes the ability of the future physics teacher to solve existing problems, but also means directing him to solve promising mummies of universal progress and training of pedagogical personnel [3. P.58].

As the ultimate goal of the formation of the professional qualities of the future physics teacher, attention is paid to:

- The main attention in the professional and pedagogical training of future physics teachers is paid to the formation on the basis of the means of educational science, the content of pedagogical activity and the individual capabilities of the educational institution;
- It is based on the fact that it is able to achieve holistic personal activity in the context of the content, tasks of professional and pedagogical activity, problems that are solved in this process and difficulties that are likely to arise;
- The preparation of the future physics teacher from a psychopedagogical point of view is aimed at a specific goal, that is, the structure and content of pedagogical and psychological knowledge, determined by the specificity of the pedagogical activity established in the educational institution;
- The expected and achievable results from the professional and pedagogical activities of the future physics teacher are the personality of the

student, his orientation (requirements, interest, valuable direction, work, consciousness, reasons);

- Level of Education (desire and skill to constantly enrich knowledge, qualifications, skills, knowledge);
- The state of upbringing (in terms of spiritual, aesthetic, physical, labor, etc.);
- Creativity (readiness to organize active professional and social activities, continue to receive knowledge, adopt social and value-based rules)
- It is determined by such a state as culturology (the ability to accept socio-cultural values, intellectual, economic, environmental culture, culture of mental and physical labor). The most successful level of expected results is the professional support of the teacher.

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