FORMATION OF THE PROFESSIONALLY-PEDAGOGICAL COMPETENCE IN PREPARATION OF FUTURE TEACHERS IN KAZAKHSTAN

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Abstract. The given article is considering the problem of insufficient formulation of theoretical bases of the Formation of Professional competence of students – future teachers of Vocational training in Kazakhstan upon requirements of a new educational paradigm, this impedes the integration into the global educational space. The analysis of the theories of EU, USA and UIS scientists revealed the novelty of the research in the implementation of the main directions of international experience in accordance with the requirements of the new educational paradigm, oriented towards competencies, based on knowledge, skills and attitude. The aim of the study is to reveal the professionally-pedagogical competence for the preparation of future teachers according to the structure of using primary methods of overview-theoretical analysis, including analysis and synthesis. The study design is based on the modern requirements of higher education, based on competencies of educational paradigm. The key results of the study will determinate suggestions on the Formation of the professional competence of future teachers on the example of the specialty Vocational training. On results of theories’ analyse will be revealed the structure of the professionally-pedagogical competence. The question of the study is how to improve the preparation of future teachers in Higher Educational Institutions, which is depending on modern requirements of educational paradigm based on competencies.

Keywords: preparation of future teachers, Formation of the professional competence, structure, types, activity.
Introduction

The improvement of the quality of human capacity and provision of future Kazakhstan with highly skilled workforce is possible only under the condition of modernization of higher education in the republic, its integration into the global educational space. The field of higher education is the first priority for modern economic development of the country, since the quality of higher education predetermines sustainable competitiveness of the country in the context of the new educational paradigm.

In this regard, the overview-theoretical analysis of the competence structure will enable determination of the content of the necessary competence types, the current reform stage and the new requirements for Higher Educational Institutions of the Republic of Kazakhstan.

Particular attention must be given to the topicality of the study subject: Formation of Professional competence of students – future teachers of Vocational training, with the specialty Clothing design, in the system of higher education in Kazakhstan (Zhanguzhinova, 2018).

The aim of the study is to reveal the professionally-pedagogical competence for preparation of future teachers of the specialty Vocational training according to the structure of using primary methods of overview-theoretical analysis.

The methods of study based on theoretical analyse and review, including citation of methodological concepts, synthesis, systematization, grouping, generalization.

Methodology

The significance of the problem is the disclosure of the central nowadays idea: “science for the sector” for the formation of new specialists with human potential, and defining the economic potential of a country to a crucial extent.

The study object is the Formation of professional competence of students – future teachers for their preparation in Higher Educational Institutions of Kazakhstan.

The purpose is professional preparation of competent specialists for different innovative production sectors for the fulfilment of state orders (SCES RK, 2011; The State..., 2016).

According to the “Key competences for adult learning professionals”, the approved European definition in Higher Educational Institutions of consists: knowledge, skills and attitude (Key competences…, 2010).

In the European project “Definition and Selection of Competencies” (DeSeCo), key competences are defined as “significant in many spheres of life and are the key to success in life and effective functioning of society”.

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The research of the theory (Blūma, 2008; Rauhvargers, 2003; Tauriľa, 2012; 21st century…, 2016) identified that the notion of competence is related to a specific field of activity. The activity of a teacher is characterized by his ability to form student's personality, taking into consideration the limitations and conditions of educational programme (Anspoka, 2011).

Within the framework of the present article and the conducted analysis of the theory provided above the professional-pedagogical type of competence of students – future teachers of Vocational training will be considered as an essential theoretical-methodological base in professional preparation.

Results and Discussion

The study of the theories, Baumert & Kunter (2013), Maslo & Tiļļa (2005), enabled to the structure of professionally-pedagogical competence, including: methodical, psychologically-pedagogical, differential psychological, reflection of pedagogical activity and autopsychological, special and professional types of competence (see Table 1).

Methodical competence, according to Coghlan & Brannick (2001), is an integral characteristic of professional conditions, which includes socio-cultural, moral, humanistic education of personal and moral qualities of future teachers of Vocational training (Dzerviniks, 2016; Zogla, 2005), reflecting the content goal in functioning of methodological and methodical knowledge, skills, experience, motivation, abilities and preparedness for creative self-realization in organization of educational-methodical activity for the formation of skills to organize all pedagogical process activity types (O’Brien & Sarkis, 2014; Zhanguzhinova, 2018).

Psychologically-pedagogical competence, according to Usca, Lubkina & Pigozne (2012), based on professional conditions forms adequate, resultative, criterial regularity of professional and personal characteristics of a teacher, which allows to achieve qualitative results in pedagogical process (Shadrikov, 2005) and includes communicative competence (culture of communication and teaching tact), rhetorical competence (professional speech culture), cognitive competence (professional erudition) (Dolenc & Abersek, 2015), professionally-technical competence (skill to use modern methodologies and technologies, including informationally-communicative technologies), professionally-informational competence (ability to carry out pedagogical diagnostics) (Epstein & Hundert, 2002), reveals in assessment judgements in pedagogical activity that forms social characteristics of a personality of future teachers of Vocational training (Gaveika, 2016; Zhanguzhinova, 2018).
<table>
<thead>
<tr>
<th>Types of professionally-pedagogical competence</th>
<th>Characteristics of competences</th>
<th>Professionally-pedagogical competence</th>
<th>List of professional conditions</th>
<th>External factors</th>
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<tbody>
<tr>
<td>Methodical</td>
<td>Possession of various teaching methods, didactic principles, psychological forms of work for mastering knowledge, skills, attitudes and applications in the training process (Dzervinis, 2016)</td>
<td>Educationally-methodical</td>
<td>Skill to organize all activity types related to speciality</td>
<td>Socio-cultural, moral, humanistic education (Koče, 2004)</td>
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<tr>
<td>Psychologically-pedagogical</td>
<td>Knowledge of psychology of interpersonal and pedagogical communication and age psychology; ability to carry out individual work based on the results of pedagogical diagnosis (Usca, Lubkina, &amp; Pigozne, 2012)</td>
<td>Pedagogical</td>
<td>Social characteristics of a personality</td>
<td>Personality-oriented position, critical thinking, author's style and professional experience of the teacher (Kokare, 2011)</td>
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<tr>
<td>Differentially-psychological</td>
<td>Ability to identify personal characteristics, attitudes and orientation of students' learning, determine and take into account the emotional state of people (Strods, 2011).</td>
<td>Educational</td>
<td>Communicativeness; Adequate assessment system</td>
<td>Student’s possession of knowledge of the specifics, dynamics and variability of the directions of the profession (Creswell, 2003).</td>
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<tr>
<td>Reflection of pedagogical activity or autopsychological</td>
<td>Knowledge of professional self-improvement ways; the ability to know the level of their own activity, their abilities (Usca, Lubkina, &amp; Pigozne, 2012).</td>
<td>Cognitive, self-sustained</td>
<td>Gnoseological need in raising the level of self-education, qualification; creativity</td>
<td>Formation of heuristic, prognostic professional knowledge, skills, attitudes (Zhanguzhinova, 2016, 2017).</td>
</tr>
<tr>
<td>Special or professional</td>
<td>Attitudes, skills, qualifications, responsibility and experience in the field of the taught subject; knowledge of ways to solve technical, creative tasks (Zimnyaya, 2006)</td>
<td>Practical</td>
<td>Awareness of the importance of profession; interest in specialty</td>
<td>The student possession of professional abilities, creative potential, awareness of the prestige of his profession (Gurov, 2012).</td>
</tr>
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</table>

Table 1. The structure of professionally-pedagogical competence for preparation of future teachers
Differentially-psychological competence, according to Andersone (2009), comprises of the knowledge of a teacher on individual psychological characteristics of each student. Intensity of differential psychological competence formation depends on professional conditions. These enable to form criteria’ levels, to reveal the results of the possession of teaching subject and information in the specifics, dynamics and variability of the directions of the profession (Dzerviniks, 2016), orientation type and ability of special, methodical and psychologically-pedagogical, and autopsychological competencies (Maslo & Tiļļa, 2005) on the basis of assessment judgements in teaching activity, forms communicativeness and adequate assessment system (Zhanguzhinova, 2018).

The reflection of pedagogical activity or autopsychological competence, according to Zogla (2005), is the most essential element of self-awareness, formed on the base of activity’ organization of future teachers of Vocational training. Professional conditions are focused on the formation of heuristic, prognostic knowledge, skills, attitudes and self-improvement of the specialist (Koķe, 2002). Dependence of cognitive and self-sustained types of activity, based on the assessment judgments on the awareness of the profession’s prestige forms gnoseological need to raise the level of self-education, qualification, creativity (Adubra, 2014; Atkinson, 2004; Zhanguzhinova, 2018).

Special and Professional competence, based on the definition of Khmel (1998), determined by professional conditions of unity of content and goal on theoretical and practical preparedness of a teacher in the fulfilment of professional functions. Competence is integrated in the professional and personal characteristics of a teacher and defines a training trajectory (Anspoka, 2011), acquisition of knowledge (Rychen & Tiana, 2004) and purposeful application in prediction, planning and realization of activity (Cassidy & Eachus, 2000). Activation of a teacher in the development of his own abilities (Burleson, 2005), desire for self-realization in socially beneficial activity (Zimnyaya, 2006) provides professional development of a future specialist already during the training period in HEI and in practice (Epstein & Hundert, 2002). The productive-technological activity forms awareness of the importance of the profession and interest in the specialty (AE-pro, 2015).

The analysis of the theories provided above revealed the structure of the professionally-pedagogical competence (Zhanguzhinova, 2018), including:

- types (methodical competence, psychologically-pedagogical competence, differentially-psychological competence, reflection of pedagogical activity or autopsychological competence, special or professional competence);
- characteristics of competence, based on the scientists’ conceptions presented above;
activity types (educationally-methodical, pedagogical, training, cognitive, self-sustained, productive technological) based on the research regarding the organization of students-future teachers’ activity;
• formation of Professional competence indicators;
• list of professional conditions based on the scientists’ conceptions presented above;
• external factors (organization of educationally-methodical process of activity, assessment judgements, the prestige of profession, practice), which are evidence of the results on the basis of the criteria for the Formation of Professional competence (Zhanguzhinova, 2018).

Conclusions

Thus, the analysis of the theories enabled to conclude that the modern stage of the Formation of professional competence of students - future teachers of Vocational Training in Kazakhstan reflects the new educational paradigm, based on the implementation of innovative processes in education in interaction with production.

In order to improve the preparation of specialists based on the integration of new knowledge, skills and attitude, based on innovative technologies and production, it is necessary:

• to consider the types of professionally-pedagogical competence;
• to develop competences and their characteristics in organizing the educational process in a university and practice;
• to create the criteria of the Formation of professional competence based on the revealed Professional competence indicators in accordance with the development of Modular Educational programmes in HEI;
• to make additions to educational programmes taking into account the need for practice, based on the revealed activity types;
• to organize work on course projects in designing specialties with determining the list of professional conditions and external factors during each semester with real topics, for real customers;
• to create a single data bank in order to systematize the registration of graduates and interact with employers for an interactive search for jobs on-line with the introduction of the applicant's data on his professional competences.
References


