

ABSTRACT

for the dissertation of Saule Polatova for Doctor of Philosophy (PhD) degree in specialty 6D010300 – “Pedagogy and Psychology”

Research topic: Psychological and pedagogical conditions of trilingual learning for future specialists based on the innovative technologies

The purpose of the study: Theoretical substantiation and experimental verification of the structural-content model of the psychological and pedagogical conditions of trilingual education for future specialists based on the innovative technologies.

Research objectives:

1. Substantiate the theoretical and methodological foundations of trilingual education and their psychological and pedagogical features;
2. Determine and scientifically argue the psychological and pedagogical conditions for the trilingual education of future specialists based on innovative technologies;
3. To develop a structural-content model of the psychological and pedagogical conditions for the trilingual education of future specialists using innovative technologies and test it experimentally
4. To develop a methodology for the application of innovative technologies of intercultural content adapted to the conditions of trilingual education of students of the 1st class of non-linguistic specialties and determine its practical significance and effectiveness.

Research methods. The following research methods were used to test the proposed research hypothesis and solve the tasks set:

- 1) methods of analyzing scientific literature and analyzing the results of a formative experiment (the main method of this research);
- 2) methods of collecting factual material and its processing; tests, questionnaire monitoring research, conversation, content analysis, documents and performance results, observation;
- 3) empirical methods - external and participant observation, self-observation, description, oral questioning; methods of mathematical statistics.

Recommended research principles:

1. Trilingual education is characterized as a purposeful process of becoming a multicultural and multilingual personality of a future specialist with a high motivation to improve his professional, communicative, linguistic and personal level.
2. Psychological and pedagogical conditions that contribute to the successful trilingual education of students of non-linguistic specialties based on the use of innovative technologies in the process of teaching a foreign language are:
 - the formation of students' sustainable internal motivation for trilingual education by creating a language environment;
 - inclusion in the content of the discipline "Foreign Language" of an intercultural component, which will contribute to the formation and development of intercultural communication skills among students on the basis of trilingual education;

- implementation of a communicative approach to improve the language competence of students, contributing to the formation of a multicultural and multilingual, competitive personality in the labor market;

- creative application of innovative (personally-oriented and interactive) technologies in foreign language classes within the framework of trilingual education;

3. The effectiveness of the formation of intercultural and communicative competencies among future specialists is possible on the basis of the implementation of the structural-content model developed and tested during the experimental study using innovative technologies focused on the tasks of trilingual education of students of non-linguistic specialties at the university;

4. Objectively high results of indicators of educational achievements in mastering a foreign language of students of the experimental group of the 1st year in comparison with students of the control group of non-linguistic specialties are due to the effectiveness of the use of trilingual education based on innovative technologies, taking into account the creation of the necessary psychological and pedagogical conditions that contribute to the improvement of didactic, educational and developmental the potential of multilingual education at the university;

5. Levels, indicators and criteria for increasing educational motivation (motivational-targeted, cognitive-volitional, value) to study a foreign language of students of the experimental group is determined by the introduction of trilingual education of the personality of the subject of pedagogical activity based on innovative technologies.

Scientific novelty and theoretical significance of the research:

- a set of provisions that define the theoretical and methodological foundations of trilingual education of future specialists at the university has been scientifically substantiated;

- scientific and practical substantiation of the revealed psychological and pedagogical conditions of trilingual education of future specialists is given;

- a structural-content model of trilingual education of bachelors with the use of innovative technologies has been developed;

- the content components of the methodology for applying innovative technologies of intercultural content, adapted to the conditions of trilingual education of 1st year students of non-linguistic specialties, have been developed and its effectiveness has been experimentally determined.

The novelty and significance of the obtained results are characterized by theoretical and methodological proof, the relevance of the content to the scientific apparatus of the study, the effectiveness of research methods, systematic planning of experimental work, proof of quantitative and qualitative indicators.

1. The first result of novelty proof is the scientific substantiation of the set of provisions that determine the theoretical and methodological foundations of the trilingual education of future specialists at the university;

2. The second result is a scientific and practical substantiation of the identified psychological and pedagogical conditions for the trilingual education of future specialists;

3. The third result is the development of a structural-content model of trilingual education of bachelors using innovative technologies;

4. The fourth result of practical novelty proof is the following substantive components of the methodology for applying innovative technologies of intercultural content adapted to the conditions of trilingual education of 1st year students of non-linguistic specialties have been developed and its effectiveness has been experimentally determined:

1) inclusion of the educational module "Intercultural Communication" in the content of the basic course "Foreign language" for 1st year students of non-linguistic specialties (volume 3 credits): 6B06120 - Information system, 6B01501 - Chemistry and biology, 5B070300 - Computer science, 6B06101 - Design and IT management, which is an additional material to the main course of the discipline "Foreign language";

2) an electronic textbook "Intercultural Communication" for foreign language teachers was developed for the educational module, the content of which is based on the use of innovative technologies and is aimed at developing intercultural and communicative competencies among future specialists, contains current topics on culture, traditions, national clothes, food, poetry, music and national sports games in the USA, Great Britain, Russia and Kazakhstan;

3) the site "Intercultural Communication" for 1st year students of non-linguistic specialties was developed and implemented for the educational module "WebQuest", the content of which is based on the use of innovative technologies and is aimed at the formation of intercultural and communicative competencies among future specialists, which allows to intensify the process of trilingualism in the educational process of the university;

4) a discipline program (syllabus) for the educational module "Intercultural Communication" has been developed, including the following documents: curriculum, study guide, guidelines for practical exercises for teachers, guidelines for SIW and SIWT for students, test exam questions;

Compliance with the directions of development of science or government programs: The formation of the world educational space, a wide cultural and language exchange, an intensive search for and the introduction of multilingualism into educational practice require a rethinking of the current forms and content of university education.

One of the important components of the success of solving the problem of trilingual education and training of future multilingual specialists is the urgent need to rethink, reform the goals, objectives, methods, conditions in the educational environment of the university. As a result of such reforms, the younger generation of Kazakhstanis will not only improve their cultural qualities, but will also represent a powerful social and scientific capital of the Republic, since for further progress they have a clear advantage - the knowledge of several languages familiar to them from birth. In this regard, the already formed multicultural environment is the basis for further improvements.

The creation of psychological and pedagogical conditions in the process of trilingual education at a university with the use of innovative technologies is one of

the most important tasks of modern science and practice, since, despite the positive provisions of the Education Development Concept, this task, however, remains little studied, which confirms the relevance dissertation research.

Contribution of the doctoral student to the preparation of each publication (percentage of the dissertation author, measured as a percentage of the total number of publications):

The content of the dissertation is reflected in 15 scientific papers. 1 article was published in publications included in the Scopus database and 1 article in publications included in the Google Scholar database:

1. Trilingual education in Kazakhstani universities: Use of Kazakh, Russian, and motivation towards learning English // Issues in Educational Research. – 2020. - Vol.30, №4. (Co-authors: Gulsim Iekerova, Dildar Kistaubaeva, Rashida Nartaevna, Altynai Kalzhanova, 50%, h – 1);

2. Trilingual Education in Kazakhstan: Motivation and Attitude of Science Teachers in Learning English // European Scientific Journal.Google Scholar. – 2019. - Vol.15, No.25. (Co-authors: Alima Nurlibekova, Dildar Kistaubaeva. 70%);

4 articles were published in scientific publications recommended by the Control Committee for Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan:

1. The role of innovative technologies in trilingual higher education // Bulletin of A.Yassavi University. Series “Pedagogy”. – Turkistan. - 2018. - №1(107). - С.105-109. (Co-authors: Nurlibekova A. 50%)

2. Multilingualism and innovative pedagogical technologies in the education of Kazakhstan // Bulletin of KazNPU named after Abai. Series "Pedagogical Sciences". – Almaty. – 2018. -№3(59). - С.149-155. (Co-authors: Nurlibekova A.B., Syrlybaeva E.M. 60%);

3. The usage of effective approaches in teaching a foreign language in the multilingual University groups // Bulletin of ENU named after Gumelev. Series “Pedagogy. Psychology. Sociology”. – Astana. – 2018. - №4 (125). - С.61-68. (Co-authors: Nurlibekova A.B., Shymyrbekova A.M. 50%);

4. Теоретические исследования полилингвального образования в отечественной и зарубежной педагогике // Bulletin of KazNU named after Al-Farabi. Series "Pedagogical Sciences". – Almaty. – 2020. - №4 (65). - С.74-92. (Co-authors: Iekerova G.Zh., Osymova G.U. 60 %);

5. Psychological foundations of effective teaching and learning a foreign language at the university // Bulletin of TSPU named after Nizami. - Tashkent. – 2019. - №2 (19). - С.9-113. (Co-authors: Nurlibekova A.B., Rusieva D.I. 60%);

7 articles were published in foreign and domestic international conferences:

1. The implementation of trilingual educational system in Kazakhstan // International scientific and practical conference "Innovative Approaches in Modern Science". – Prague. - 2017. - С.344-350. (100%).

2. Психолого-педагогические условия повышения эффективности учебной деятельности студентов на занятиях английского языка при трехязычном обучении // International scientific and practical conference "Auezov readings - 16:" The fourth industrial revolution: new opportunities for the modernization of

Kazakhstan in the field of science, education and culture". – Shymkent. - 2018. - С. 257-265. (Co-authors: Nurlibekova A.B., Syrlybaeva E.M. 50%).

3. The benefits of game-based technologies in the educational process // International scientific and practical conference "Industrial Technologies and Engineering". – Shymkent. - 2018. - С.9-21. (Co-authors: Nurlibekova A. 50%).

4. An online support system for teachers of English language // International scientific and practical conference «XVI International Congress of Social Sciences of the Turkic-Speaking World. – Shymkent. - 2018. - С.911-919. (Co-authors: Nurlibekova A. 50%).

5. The history and the reasons of innovation development in education // International scientific and practical conference «Science and Education: Digital Transformation and Innovative Educational Technologies. – Shymkent. -2019. - С.290-293. (Co-authors: Nurlibekova A.B. 50%).

6. Лингвистические аспекты билингов в изучении иностранного языка // International scientific and practical conference «The world of science and innovation». Abstracts of IV International Scientific and Practical Conference, - London, United Kingdom. - 2020. - P.502-509. (Co-authors: Lekerova G.Zh. 50%).

7. Современные методологические подходы в обучении иностранного языка // International scientific and practical conference «Challenges in science of nowadays». Proceedings of the 7 the International Scientific and Practical Conference. - Washington, USA. - 2020. - P. 448-458. (Co-authors: Lekerova G.Zh. 50%)

1 electronic textbook on the topic “Intercultural Communication” (certificate of entering information into the State Register of rights to objects protected by copyright) (Co-authors: Lekerova G.Zh. 50%).