First, students should be guided to fully explore the central ideas of the authors in the works, and make their emotional communication with the authors across time and space through effective performance, so as to form resonance and fully obtain emotional experience.

Second, the piano teachers need to enable the students to fully learn and think about the theoretical knowledge in the piano. Such as: the change of the theme, syllables, the expression of music symbols, the ideas, and so on, eventually make their piano theory accomplishment, in the future can be better learning, improve playing skills, and to fully express ideas, eventually get emotional experience, give the listener full aesthetic feeling, get the soul.

Thirdly, the application of modern new teaching mode plays an important role in improving the quality and level of teaching. For example, network multimedia teaching, microclass teaching can make students use these ways through pictures, sound, video and other ways of all-round piano knowledge learning and piano performance appreciation, fully aesthetic and emotional experience of works, for their future learning and development to lay a good foundation. For the piano teaching itself, the application of modern new teaching mode makes the past relatively boring, boring teaching methods replaced, effectiveness, intuitive, flexibility, diversity of teaching mode, the students can intuitive and visualization of knowledge learning, better piano works in piano teaching.

Conclusion. For piano teaching aesthetic education and emotional education problem research and analysis, is conducive to the piano teacher better application of aesthetic education and emotional education way to improve the teaching quality and level, also makes students through this way to better piano knowledge learning, piano playing skills to grasp the ideas, piano works, improve their ideology.

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FEATURES OF STUDYING THE COURSE «GRAPH THEORY» AT THE UNIVERSITY

Lin Huazhu,
master's student VSU named after P.M. Masherov, Vitebsk, Republic of Belarus
Scientific supervisor – Karaulova T.B., Ph.D. in Physics and Mathematics

Graph theory is one of the most rapidly developing branches of discrete mathematics, which is largely caused by the demands of a rapidly expanding field of applications. A large number of problems related to discrete objects are formulated in graph-theoretic terms. Every year the need for specialists capable of solving complex tasks related to the analysis and optimization of network structures increases. Studying graph theory at university allows students to develop the abstract thinking skills necessary to work with complex systems. Additionally, the course promotes the formation of skills in the field of algorithmic programming and process modeling.

The purpose of the work is to study the peculiarities of studying the course «Graph Theory» by students of the Faculty of Mathematics and Information Technologies of Vitebsk State University named after P.M. Masherov.

Material and methods. The material for the study is the curricula for the specialties 1-31 03 07-01 «Applied informatics (Computer systems software)», higher education (I stage) and the standard curriculum for the course «Graph Theory». Research methods: analysis of sources, study and generalization of information.

Results and their discussion. The academic discipline «Graph Theory» has significant applied potential, as algorithms based on graph theory are used in a wide variety of fields – from

computer science to social networks. The material of the discipline aims at giving students a tool applicable to both the behavioral sciences (cybernetics, information theory, systems theory, game theory) and set theory, matrix theory, group theory and other disciplines. The main tasks to be solved in the study of the academic discipline «Graph Theory»:

- familiarization of students with the basic concepts and facts of graph theory and the connections between them;
- training in methods of finding key structural and numerical characteristics of graphs;
- familiarization with the methods of constructing and analyzing graph-theoretic models of applied problems.

It should be noted that this academic discipline contributes to the development of discrete mathematical thinking skills and the ability to apply them to specific tasks. For understanding the discipline, a student needs a minimal level of prior mathematical knowledge and skills. In particular, it is necessary to have an understanding of the general theory of mappings, initial information from set theory, and linear algebra. Effective teaching of graph theory requires a combination of traditional and innovative approaches. In lectures, elements of problem-based learning can be used, for example, inviting students to independently solve the classic problem of the seven bridges of Königsberg, which marked the beginning of graph theory. This approach stimulates interest in the subject and develops research skills. However, it should be noted that there are a number of problems that arise when studying this discipline among university students:

- understanding the practical significance. Graph theory is widely used in practical tasks such as the design of telecommunication networks, logistics, robotics, and many others. In particular, Hamiltonian graphs are used to model the traveling salesman problem, which is one of the classic optimization problems.
- visualization problems. Understanding graphs often requires good visual representation, and a lack of visualization skills can be an obstacle. A good solution to this problem is the use of specialized online services, such as Graph Online. This service allows you to visualize the graph and solve a number of practical problems.

Conclusion. The study of graph theory contributes to the development of critical thinking and analytical skills, which are key in many fields of activity. The study of this academic discipline contributes to the development and enrichment of the professional competencies of future specialists.

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FEATURES OF GROUP PIANO TRAINING IN CHINESE EDUCATIONAL INSTITUTIONS

Li Xinxin,
master's student VSU named after P.M. Masherov, Vitebsk, Republic of Belarus
Scientific supervisor – Sused-Vilichinskaya Yu.S., PhD in pedagogy, associate professor

Piano collective class is a teaching model that integrates traditional piano teaching, modern science and technology. It is a new type of keyboard learning course developed by combining traditional piano teaching with modern science and technology. Piano group classes have opened up broader space for the popularization of piano education in China, and at the same time, they have a strong driving force for the sustainable development of piano education in China [1; 2]. **The purpose** of this article is to identify methods for group piano teaching.