

Yuriy Kozlovskyi

Doctor of Pedagogical Sciences, Professor, Head of the Department of Pedagogy and Innovative Education, Lviv Polytechnic National University

**HARMONIZATION OF THE EDUCATIONAL PROCESS AT HIGHER
EDUCATION ESTABLISHMENT BY APPLYING THE INTEGRATED
APPROACH**

Modern education should form valuable knowledge about the entry of man and society into the harmony of nature. Valuably-oriented interdisciplinary education gives impetus to human development, opens the way for the formation of cultural, professional, healthy society. Spontaneous nature of social development, uncontrolled economic and scientific-technological growth, dehumanization in the field of culture have led to acute cataclysms in modern society. Many scientists believe that the causes of this phenomenon are the absolutization in the social development of the unlimited domination of man over the possibilities of nature.

Recent education, based on the integration of a number of methods and areas of knowledge, allows to understand integrally the worldview and the growth of creative potential of the individual: the unity of personality, nature and society creates ethical provisions for harmonizing their coexistence. However, the problem of harmonization of the educational process on the basis of an integrative approach has not been studied enough, which led to the choice of research topics.

The purpose of the article is to substantiate the expediency of harmonization of the educational process of a higher education institution on the basis of an integrative approach.

In the study such methods as the study and analysis of philosophical, sociological, psychological and pedagogical literature of domestic and foreign authors, generalization of scientific, theoretical and research data to implement an integrative approach, comparison and logical methods of analysis were used.

The harmonious life of society is oriented, embodied and carried out on the basis of the meanings of harmonious cultural values. Harmonious cultural and rational values perform the function of a regulator of activity in the formation of perfect life. Mankind is able to enter the harmony of the Universe, if each person shows spiritual freedom, a certain self-realization and harmony. Spiritual freedom is a prerequisite for value-oriented behavior. Every human action has a spiritual basis that determines the level and experience of man. Man through the accumulation of experience becomes a spiritual being and achieves self-realization. Implementation of life on the basis of harmonious spiritual and intellectual values of man and harmonious cultural and rational values of society determine the axiological principle of harmonization of life. Today, in the training of specialists we observe an absolute transition from educational to scientific and educational process. The subject of scientific research in a higher education institution is mainly branch-oriented. It is sometimes wrongly believed that the problems of education and pedagogical science are the predominance of exclusively pedagogical universities and specialized departments. This is a way to a one-sided vision of professional traits of higher school teachers, when their pedagogical and industry knowledge and skills are considered separately. Often a capable scientist with proper qualitative and quantitative indicators of scientific activity is not a sufficiently skilled specialist in the pedagogy and psychology, but an excellent teacher in the field of science. In modern HEE (Higher Educational Establishment) there should be a wide choice of faculties that, as if in a holistic institution, all important sciences were presented: both natural and mathematical and humanitarian. To achieve such a purpose, it is necessary to carry out the following basic tasks: to develop scientific researches as a basis of fundamentalization of education, preparation of the modern specialist; combine naturally thorough, exploratory applied exploration with competitive commercial developments; to develop actively research aimed at improving multileveled educational system; to apply actively new educational and information technologies, improve scientific and methodological support of the educational process, the quality of training and professional development of scientific and pedagogical staff; to support the

development of high-tech industries for the production of goods and services based on them, domestic and foreign markets in particular; expand international integration by attracting investment from abroad; to provide conditions for training and retraining in the field of innovation and scientific and technical entrepreneurship, which allow to increase innovation activity, commercialization of the results of scientific research; to develop the legal framework of intellectual property.

Integration horizons of education provide for the creation of open education systems, emphasis on national interests, reforming science in free economic education, strengthening the fundamental and methodological components in modern pedagogy, structuring and filling educational content in a different way, developing educational and pedagogical anticipation.

The realization of vital activity on the basis of harmonious spiritual and reasonable values of the person and harmonious cultural and rational values of a society define the axiological principle of harmonization of vital activity. The laws of formation of the essence of education can be sought by identifying similarities with the theory of harmony, especially in music. Both by theoretical and sometimes mathematical means, a continuous combination of musical sounds gives birth to a symphony or sonata, so the combinations of knowledge must be subject to the laws of mathematics and perfection. A specialist feels instantly dissonances in music. To identify the same dissonances of the combination of knowledge in training courses or topics takes long and it is an ambiguous process.

At the beginning of the twentieth century there existed for some period a functioned chord training system on laws of formation of the essence of education, training courses, their chords, but it was not widely developed. The same melody can be harmonized in different ways, which allows for harmonious variation. It is known that the behavior of any system can reproduce an infinite number of harmonics with a time factor for each. The theory of harmony, or mathematical theory, did not interfere with its aesthetic perception, so the adjustment of education in accordance with the laws of harmony, respectively, does not violate its human, personal sound, even vice versa.

Conclusions from this study and prospects for further development in this area. An integrated approach to the organization of education systems combines with new ways of developing pedagogical science. If the level of knowledge structures are chords and sonatas, motives with accompaniment, one or more instruments, then the level of integration of scientific and educational activities are symphonies with the right orchestra, and the level of personal integration, integration of educational influences are operas involving instruments and people. The ability to achieve harmony between the rational and the spiritual makes a person an individual. This ability allows an individual to carry out the harmonious development of spiritual multiplication, only when an individual does material multiplication in accordance with the spiritual. In general, education develops from simple to complex on the principle of the theory of harmony.

Further areas of research include identifying the features of harmonization of the educational process in the technical institution of higher education.