

## THE PLACE OF PSYCHOLOGY IN THE FORMATION OF SCIENCE

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**Summary.** The article presents resources about the place of psychology in the interdisciplinary structure.

**Keywords:** psychology, sociology, education, physiology, cybernetics, economics.

Psychology as an integrated and independent science serves the formation of the human mentality among people, and its relationship with the human factor determines its direct connection with all sciences that study problems in this direction in a certain sense. First of all, these are the fields of social sciences and humanities, and psychology's place among them is unique and pioneering.

Philosophy and social sciences are newly formed and evolving

The connection with philosophy is the essence of the two sciences, man and his life it comes from the role and importance of fully understanding and identifying development trends. Psychology takes the general laws and principles related to the development of nature, society and human thinking from the base of philosophy, and at the same time, with its achievements in the field of laws of human mind and thinking, it helps philosophy to have rich information. It is worth noting that the cooperation of these two sciences - philosophy and psychology - is directly visible in the conditions of our country in the search for general scientific laws related to the formation of the ideology of independence and national consciousness. First of all, this connection serves to fulfill the urgent task of forming a national ideology and a national idea in the historical period when faced with the problem of forming a new way of thinking and worldview.

Since sociology has moved to an important stage of its development in the conditions of new social relations, psychology uses the achievements of this science and plays a valuable role in expanding its scope. In particular, social psychology, which has become independent from psychology and has gained special importance in the current period of development, has an integral relationship with sociology, and it serves the work of ensuring social progress and development in society. In addition, it is necessary to ensure the legal culture and psychological preparedness of the people of Uzbekistan, who are steadily building a legal and democratic state, and in this area to regularly monitor changes in social opinion and people's opinions and views in a timely manner. It is of practical importance to combine the methodologies and methods of both disciplines in developing learning, prediction and development standards. For this

reason, the social and psychological service centers established in the regions aim to achieve this mission.

Throughout our republic, social surveys conducted by the “Social Opinion” Center on various topics, in addition to the expression of the population’s mood, interests, desires, needs and intentions, lead to the necessity of drawing up future plans by the state. Government and state. Social and psychological surveys in universities

Establishing relationships between teacher and student, and student and teacher in the workplace

Provides an opportunity to learn employee-manager relationships, and employee-employee relationships. Through this, it will be possible to determine not only social surveys, but also psychological characteristics associated with human personality.

The cooperation and mutual connection between pedagogy and psychology is traditional and ancient, and their role and influence in implementing the education of the younger generation in the spirit of the times is unique. It is being implemented in our republic

The implementation of the Education Law and the National Personnel Training Program have made cooperation and interaction between the two systems more important than ever. Pedagogical methods and rules will not suffice for applying new educational technologies to the education and training processes within the conditions that guarantee human development in the new model recognized in the national programme, and his development as a possessor of deep knowledge and perfection. That is why psychology cooperates with the younger generation

From the trends in the development of the mind during the educational period, to studying the extent to which the child absorbs new teaching techniques and their impact on his mental and intellectual abilities, and organizing work on this basis, where psychology methods are integrated with educational methods. The methods require precision. In particular, the introduction of the principles of spiritual perfection into schools and new types of educational institutions means the application of the latest and most modern forms of teaching with deep knowledge of personal psychology. The interconnection between pedagogy and psychology is important in considering the education and upbringing of a person not separately, but together. Nowadays, in order to increase the quality and efficiency of education, while knowing the psychological characteristics of the learner, the technology of pedagogical influence on him and his orientation to new knowledge has been introduced, which shows that these two disciplines are closely related to each other.

**Natural sciences:** biology, physiology, chemistry, physics, etc. It provides material for understanding the normal physiological mechanisms of mental phenomena and processes and thus objectively studying the laws of their passage. In particular, in

managing the mental activities of the brain and central nervous system, Realizing its role in adaptation, psychology uses the achievements of natural sciences and their research methods as a factor.

For example, since the diagnosis of a person's abilities requires simultaneous knowledge of his innate abilities and acquired qualities, in determining the characteristics of that natural ability, a number of psychophysiological methods are used (laws of brain asymmetry, recording of brain biorhythms, detection of neurodynamics). Methods of measurement (phenomena, blood circulation, body temperature) are put into place and achievements of such sciences as biology, anatomy, physiology and neurophysiology are used. Therefore, all achievements in the field of natural sciences enrich the subject of psychology and contribute to its better understanding.

Achievements in the field of cybernetics are also important and necessary for psychology, which is based on achievements and research methods in information technology and cybernetics in the field of self-management of the human personality and improving the uses of mental processes. Especially in the 21st century, which is the information age, the potential for cooperation between psychology and cybernetics in the field of information technology and modeling will increase even more. For example, in order to further improve the process of simple communication, increase the effectiveness of every word in interpersonal relations, and in the process of this social activity, the appropriate use of various cybernetic models in improving the personality system increases the place and role of modern psychology in society, a wide range of Special computer programs for its application ensure a quick and accurate study of the secrets of the human brain and the spiritual world.

The interaction and cooperation between technical sciences and psychology is evident. On the one hand, the need to use special technical tools to solve the problem of human mind control over complex technology, and on the other hand, to reveal the complex aspects of mental life, means uniting the achievements of these two areas. There is another special aspect of the issue, which is at a time when technology seeks to advance

The issue of improving the activity of a person who “communicates” with complex equipment and machines and adapting them to his capabilities is also an issue that should be resolved in this cooperation. Especially for independent Uzbekistan, it is important to ensure the service of society and science, which knows the secrets of complex modern technology, adapting the consciousness, thinking and abilities of every ordinary citizen to this technology and

It is very important to find the most effective ways of dialogue between “man and machine”.

In terms of training qualified specialists who can easily “deal” with technology, technical sciences will only succeed if they can use the methods of pedagogy and psychology.

The interaction and cooperation between economics and psychology is also new, especially in conditions of step-by-step transition to market relations, where both sciences work equally in studying the laws of economic consciousness and specific manifestations of economic behavior. In the first years of independence, President of Uzbekistan Karimov drew attention to the importance of the formation of a new economic mentality among citizens, first of all, in the economic development of society. Therefore, taking into account the achievements, innovations and factors of economic efficiency made by psychology in the field of education of the new-age personality and its adaptation to society, the economy in turn being the subject and subject of economic reforms, all psychological aspects of the human factor must solve the task of identifying, analyzing and forecasting changes.

The above branches of science are only the main part of the sciences in which psychology directly develops. Today, the human factor must be taken into account in the development of every science, so psychology develops in connection and cooperation with all of these sciences.

That is why today it is possible to think about the branches that separated from psychology.

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