BG Pulse Journal USA
ISSN:1947-2536 http://www.bgpulseusa.com/index.php/bg
BG PULSE JOURNAL

THE IMPORTANCE OF DESIGN THEORY IN PEDAGOGICAL EDUCATION

Boboyeva Gavxarjon Umidjon qizi
2nd year master's degree student in the specialty of
Engineering Graphics and Design Theory at
Urgench State Pedagogical Institute
https://doi.org/10.5281/zenodo.20392501

Abstract:
This article analyzes the importance of design theory in the system of pedagogical education. The role of design theory in developing the professional competencies of future teachers, as well as in shaping their creative thinking, aesthetic taste, and visual culture, is highlighted. The study also examines the main trends in modern design education, including interdisciplinary integration, project-based learning, and the use of innovative technologies. The research concludes that design theory is one of the key factors in improving the effectiveness of pedagogical education.

Keywords:
design theory, pedagogical education, creative thinking, visual culture, interdisciplinary integration, innovative technologies, design education.

In the current conditions of globalization and technological progress, design is becoming one of the important components of the development of society. The modernization of production systems, the widespread introduction of digital technologies, and the acceleration of urban development processes are further increasing the importance of design activities [4]. In modern approaches, design is interpreted not only as an aesthetic decorative tool, but also as a complex creative activity that serves to create a comfortable, functional, and effective environment for a person [5].

At the same time, design theory is now gaining importance not only in the activities of professional designers, but also in pedagogical processes. The role of design in the formation of aesthetic taste, creative thinking, and visual culture in the education system is incomparable [3]. In particular, the study of design theory in the process of training future teachers develops in them a modern approach, creative thinking, and the skills of effectively organizing an educational environment.

The purpose of this article is to highlight the importance of the discipline of design theory in pedagogical education and analyze its place in the professional activities of future teachers.

Design theory is an independent scientific discipline focused on the study of general laws, basic concepts, principles and methodological foundations of design activity [5]. This discipline performs the function of understanding the essence of the design process on a scientific basis, identifying its development trends and theoretically substantiating practical design activities. In scientific literature, design theory is recognized as the theoretical foundation of design practice [6]. It is also an important tool for interdisciplinary integration in the fields of fine arts and engineering graphics.

Design theory combines the aesthetic approach inherent in art with the technical precision and logic inherent in engineering and forms a holistic professional thinking in future specialists [7]. As a result, this discipline develops not only professional knowledge and skills in students, but also modern design thinking, project culture and a responsible approach.

The role of design theory in the process of pedagogical education is becoming increasingly important. Future teachers should not only have a deep knowledge of their subject, but also be able to convey it to students in an understandable and interesting way [2]. In this regard, design theory allows for the effective visual organization of the teaching process, the presentation of educational materials on an aesthetic and methodological basis. Also, the use of design elements enlivens the educational environment, serves to focus students' attention and increase their interest in the subject.

Modern design education is developing on the basis of a number of important trends. The strengthening of interdisciplinary and multidisciplinary approaches allows students to combine different disciplines within the framework of one project and develops their ability to think holistically [6]. Project-based teaching methods direct students to master the skills of analyzing problems, developing solutions and justifying them. Technological integration increases the effectiveness of education through tools such as 3D modeling, virtual and augmented reality [4].

Also, the integration of national and cultural components teaches students to combine national values with modern design [1]. Interactive pedagogical methods serve to develop creative and critical thinking. Integration with industry brings students closer to real production processes and strengthens their practical competencies.

These trends turn modern design education into an academic, practical, innovative and culturally developed system and serve to comprehensively develop the professional and creative competencies of future teachers.

Studying design theory has a positive effect on the formation of professional competencies in future teachers. In particular, the skills of visual design of educational materials, systematic presentation of information and effective communication with students are developed. As a result, the teacher will have the opportunity to organize the educational process more effectively.

In a modern information society, the importance of visual culture is increasing. Since people perceive most of the information through visual means, educators are also required to effectively use graphic images, infographics, presentations and other visual materials. Design theory is an important theoretical basis for the formation of these skills. The development of digital technologies has brought new opportunities to design education. Graphic programs, 3D modeling tools, virtual and augmented reality technologies serve to combine students' theoretical knowledge with practical activities. This increases the adaptability of future educators to the modern educational environment.

In conclusion, the subject of design theory has an important scientific, theoretical and practical significance in the modern pedagogical education system and plays an important role in the development of professional competencies of future specialists. This subject forms creative thinking, aesthetic taste, technical approach and project work skills in students. It also serves as an important factor in the effective organization of the educational process based on interdisciplinary integration, the development of complex thinking and the creation of a modern educational environment.

As a result, future educators will be formed as competitive specialists who meet modern requirements and the needs of the labor market.

References:

1. Karimov I. A. Yuksak ma'naviyat — yengilmas kuch. — Toshkent: Ma'naviyat, 2008.
2. O'zbekiston Respublikasi Oliy ta'lim tizimi bo'yicha me'yoriy hujjatlar. — Toshkent, 2023.
3. Pedagogika va dizayn bo'yicha ilmiy maqolalar to'plami. — Toshkent davlat pedagogika universiteti nashri, 2022.
4. Норман Д. Дизайн вещей будущего. — Москва: Манн, Иванов и Фербер, 2019.
5. Bürdek B. E. Design: History, Theory and Practice of Product Design. — Basel: Birkhäuser, 2015.
6. Cross N. Designerly Ways of Knowing. — Springer, 2007.
7. Lawson B. How Designers Think: The Design Process Demystified. — Routledge, 2006.