

DIDACTIC FOUNDATIONS OF THE METHODOLOGY OF TEACHING SPECIALIZED SUBJECTS IN HIGHER EDUCATION: GOALS AND OBJECTIVES

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ABSTRACT

This article provides a scientific and theoretical analysis of the didactic foundations, goals, and objectives of the methodology of teaching specialized subjects in the higher education system. The study examines the role of didactic principles, teaching methods, and educational tools in enhancing the effectiveness of specialized disciplines. Based on surveys, pedagogical observation, and analytical methods, the necessity of modernizing the teaching and learning process is substantiated. The results show that interactive and modern teaching methods are more effective in developing professional competencies compared to traditional approaches.

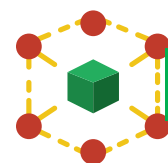
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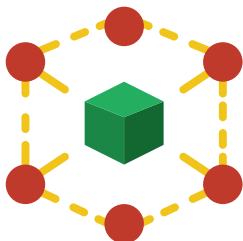
INTRODUCTION

In the context of globalization and digital transformation, the requirements placed on the higher education system are undergoing fundamental changes. The modern labor market demands the training of competitive specialists who are capable of independent thinking and possess strong research skills. This, in turn, necessitates a scientific reconsideration of the methodology for teaching specialized subjects in higher education. The methodology of teaching specialized subjects is a system aimed at designing, organizing, and assessing the teaching process to develop students' professional knowledge, skills, and competencies. It is closely connected with pedagogy and didactics and scientifically defines the content, forms, methods, and tools of instruction. Didactics studies the general laws of education and serves as the theoretical foundation for teaching methodology. Therefore, an in-depth analysis of the didactic foundations of the methodology of specialized subjects is of great importance for improving the quality of higher education.

Relevance of the Topic

In the era of globalization, digital transformation, and technological development, the requirements placed on the education system are changing dramatically. The rapid development of modern educational technologies, the widespread use of distance and digital learning, and the increasing application of interactive methods require the organization of the educational process in an entirely new way. Particularly in teaching specialized subjects, fostering students' independent thinking, practical skills, and professional competencies has become a key criterion of modern





education. The relevance of studying modern educational technologies is обусловлена by the following factors: increasing competition in the labor market and growing demand for professional competencies; widespread implementation of digital platforms, multimedia tools, and distance learning in education; the growing importance of learner-centered teaching approaches; the expanding role of teachers not only as knowledge providers but also as facilitators, advisors, and mentors; and the necessity to enhance the efficiency, speed, and flexibility of the educational process. Moreover, the theoretical foundations of the methodology of teaching specialized subjects should be studied in harmony with educational technologies, as modern technologies significantly transform the form, content, and tools of teaching methodology.

METHODS

The following scientific research methods were used in the study:

1. Analysis of scientific and pedagogical literature – methodological and didactic approaches were examined based on national and international sources;
2. Pedagogical observation – the process of teaching specialized subjects in higher education institutions was observed;
3. Surveys and interviews – conducted among faculty members and students;
4. Comparison and generalization – the effectiveness of traditional and modern teaching methods was compared;
5. Analysis and synthesis – conclusions were drawn based on the obtained results.

RESULTS

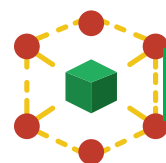
The research findings made it possible to identify the main goals and objectives of the methodology of teaching specialized subjects.

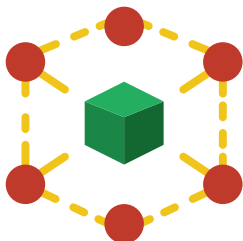
Goals of the Methodology of Teaching Specialized Subjects

- ✓ Formation of professional competencies in students;
- ✓ Orientation toward deep and systematic mastery of academic disciplines;
- ✓ Development of research skills;
- ✓ Formation of the ability for independent learning.

Objectives of the Methodology of Teaching Specialized Subjects

- ✓ Development of optimal teaching methods and tools;
- ✓ Logical and systematic organization of educational content;
- ✓ Activation and motivation of students;
- ✓ Individualization of the educational process;
- ✓ Improvement of assessment and evaluation systems;





- ✓ Enhancement of teachers' professional competence.

In addition, the study identified the direct impact of didactic principles—scientific validity, systematicity, conscious and active learning, visibility, durability of knowledge, and individual approach—on educational effectiveness and substantiated their crucial role in the methodology of teaching specialized subjects.

DISCUSSION

The obtained results indicate that although traditional teaching methods (lectures, seminars, practical classes) have not lost their significance, high effectiveness can be achieved only when they are integrated with interactive and modern teaching methods. Problem-based learning, case studies, project-based activities, and discussions contribute to the development of students' critical thinking skills. The use of distance learning, virtual laboratories, and information and communication technologies increases the flexibility of the educational process.

Foreign studies (Biggs, Bloom, Kolb) also confirm that competency-based and student-centered approaches yield high results in teaching specialized subjects. This demonstrates the necessity of modernizing methodological approaches within the national higher education system.

CONCLUSION

In conclusion, the didactic foundations of the methodology of teaching specialized subjects are a key factor in training highly qualified specialists in higher education. An educational process organized on the basis of scientifically grounded methods, modern educational technologies, and didactic principles ensures students' professional and personal development.

In the future, enriching the methodology of teaching specialized subjects with digital education, artificial intelligence, and competency-based assessment systems will further enhance the quality of higher education.

REFERENCES

1. Bloom, B. S. *Taxonomy of Educational Objectives*. New York, 1956.
2. Biggs, J. *Teaching for Quality Learning at University*. Open University Press, 2014.
3. Kolb, D. *Experiential Learning*. New Jersey: Prentice Hall, 1984.
4. Abdullayeva, M. *Pedagogy of Higher Education*. Tashkent, 2021.
5. Law of the Republic of Uzbekistan "On Education".
6. Xodjayev, B. X. *Foundations of Didactics*. Tashkent, 2019.

