

## GENERAL TECHNICAL SCIENCES OF EDUCATIONAL EDUCATIONAL MODULE TECHNOLOGIES HIGHLY EFFICIENT

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### Abstract:

This article discusses technology of modular training, their pedagogical aspects, described the structural training modules that address the difficulties identified in the use of modular training technologies.

**Keywords:** Chain drive, speed, power, friction, roller, parameter, depreciation.

At the same time that the current economic and social development is taking place and science and technology are rapidly developing, it is the need of the hour to organize classes in educational institutions in accordance with modern requirements. It is not a secret to anyone that the personnel who cannot meet the requirements of today's times cannot find their way.

At the moment, there are many ways to train personnel to be maturely qualified, and we should realize that the optimal options correspond to the requirements of mentality. At the same time, each student should independently perform the tasks assigned to him based on the curriculum. One of the educational technologies that allows solving these tasks is modular teaching.

A distinctive feature of modular teaching is that students will have the opportunity to independently achieve the goal of learning activities while working on the module. This, in turn, serves to integrate learning objectives and embody instructional tasks.

Module is derived from the Latin word "modulus" which means standard, measure. In education, the module divides the studied subject into certain parts and creates a clear system of its study. For example: in the course of mechanization, automation and robotics, the chapter "Mechanization and automation of production" is considered as one module, and the structure of this module includes both lecture and laboratory forms. This is the basis for students to draw a general conclusion for this chapter. A student who completes such modules collects points for this particular module and can determine the overall quality of knowledge at the end of the course.

Another main advantage of the module system is that the acquired theoretical information is strengthened in the form of a laboratory or practical training in future lessons, and skills, qualifications and competencies are formed. At the same time, it will be possible for him to master the subjects independently. Self-mastering according to the demand of the current period ensures the effective functioning of the individual work mechanism.

Modular teaching technology allows to quickly determine the level of mastery of new educational material by students and the gap in their knowledge level. Before passing judgment on the subject, the student can recognize and eliminate aspects that he has left out. As an example, a student completed the "Mechanization and Automation of Production" module. At the end of the module, he must give a general conclusion, he has mastered information such as mechanization of past production, Mechanized tools, their structure, operation, components, etc. Before concluding, he focuses on the parts he has not mastered. For example, he can clearly

perceive aspects that need to be mastered independently, such as the construction of objects, management of the technological process.

In addition, the importance of this technology is that it is also a means of forming pedagogical culture. It also plays an important role in the formation of subject-subject relations in the training process provided for in the national program of personnel training.

In conclusion, it is reasonable to say that modular teaching technology allows for systematic mastering of courses. The student acquires systematic knowledge without being distracted by other courses in the sequence when mastering the modules.

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