



FORMATION OF THE MODEL OF CLUSTER APPROACH IN THE EDUCATIONAL SYSTEM

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The reformations taking put in the conditions of Uzbekistan, along with the development of industrial production, at the side improvement in the education system. In this regard, international level foreign language training is important to increase the interdependence between production enterprises and institutions and the educational system, as well as to increase the quality of training of highly qualified personnel. The research was carried out in 2020-2022, and 12 educational institutions of our Republic participated in it. The creation of a modular system based on cluster approaches in English language teaching was based on the results of the research conducted with the involvement of students of higher education institutions, teachers and employers of specialized departments and foreign language departments, students and teachers of general education schools and academic lyceums. In this article, the mechanism of English language teaching based on the cluster approach in the field of biology education of the higher education system is presented. The effectiveness of teaching English based on the cluster approach in non-philological education areas according to specializations was confirmed by statistical methods during the research.

Leading scientific centers and researchers in the world are carrying out scientific research on the internationalization of the personnel training process related to the development of cooperation based on cluster approaches in the system of comprehensive education and production integration. According to the tasks defined in the UNESCO Global Convention on Education (2019) [Abdisamatov.A., 2022; 30], special attention should be paid to learning a foreign language in educational institutions based on the cluster system. It is shown that education enables young people to develop creative thinking skills and innovative development. Accordingly, in connection with the development of continuous education, integration of science and production, scientific research is being carried out in promising directions to improve the mechanisms of forming the scientific and theoretical foundations of the innovative cluster in the system of continuous education[Mikhailova, M., 2018; 49].

Innovation clusters in the educational system are higher education and scientific research institutions located in a certain environment, including production, where all participants in the chain system created (scientific institutions, small innovative companies, testing centers, centrally used equipment, product certifiers) laboratories, higher education institutions and training centers that prepare specialists and deliver to places, intellectual property agency, etc.) are interactive and collaborative activities from the beginning to the end of creating an innovative product [Anistsyna N.N., 2010; 91]

It is fact that the last stage of the continued educational system is higher education. As a continuation of the teaching of English in step-by-step modules based on the cluster



approach, the teaching of English to the students of non-philological education, in particular, biology, based on cluster approaches, was determined in the tasks of the research which was held by us. A student who studied English in the upper class (10-11 grades) based on the cluster approach, studies English in the university system as a continuation of this system [Kushieva N., 2020; 78].

The principles noted in the modular system formed on the basis of our experimental work and systematic training based on the module were taken as a basis and efficiency indicators were achieved. According to this system, communication in English (General English), description of specialized resources in English (Introduction to the biological sphere), being able to express and communicate one's opinion in the specialty (Communicating in biology sphere), mastering foreign resources on agriculture and expanding one's worldview (Developing natural sciences outlook), providing information about industry news and technologies in English (Integration of education and production) is supposed to have such aspect.

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