

## ИНФОРМАТИКА ФАНИНИ ЗАМОНАВИЙ ТАЪЛИМ ШАКЛЛАРИНИ КЛАСТЕРЛАШ АСОСИДА АХБОРОТ-ТЕХНОЛОГИК ТАЙЁРГАРЛИГИНИ РИВОЖЛАНТИРИШ

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### Аннатация

Zamonaviy o'qituvchining kasbiy faoliyati sifati uning kasbiy kompetentligining shakllanish darajasiga bog'liq bo'lib, bu zamonaviy ta'lim natijalariga erishishni ta'minlaydi. So'nggi yillardagi meyoriy hujjatlarga (yangi avlodning Davlat ta'lim standarti, "Ta'lim to'g'risida" gi qonun) muvofiq, ta'lim tizimida ustuvorlik hozirda amalga oshirilayotgan majmuaviy yondashuvga beriladi.

**Kalit so'zlar:** pedagogik, psixologik, animatsiya, didaktik, klaster, kasbiy faoliyat, texnologiyalar, loyihalash, konstrukturlik.

### РАЗВИТИЕ ИНФОРМАЦИОННО-ТЕХНОЛОГИЧЕСКОЙ ПОДГОТОВКИ НА ОСНОВЕ КЛАСТЕРИЗАЦИИ СОВРЕМЕННЫХ ФОРМ ОБУЧЕНИЯ ПО ПРЕДМЕТУ ИНФОРМАТИКИ

### Аннатация

В данной статье качество профессиональной деятельности современного педагога зависит от уровня сформированности его профессиональной компетентности, которая обеспечивает достижение современных образовательных результатов. В соответствии с нормативными документами последних лет (государственный образовательный стандарт нового поколения, закон "Об образовании") внедряемому в настоящее время комплексному подходу уделяется приоритетное внимание в системе образования.

**Ключевые слова:** педагогический, психологический, анимационный, дидактический, кластер, профессиональная деятельность, технология, дизайн, конструирование

### DEVELOPMENT OF INFORMATION-TECHNOLOGICAL TRAINING BASED ON THE CLUSTERING OF MODERN FORMS OF EDUCATION IN THE SUBJECT OF INFORMATICS

### Abstract

In this article, the quality of professional activity of a modern teacher depends on the level of formation of his professional competence, which ensures the achievement of modern educational results. In accordance with the regulatory documents of recent years (the state

educational standard of the new generation, the law "On Education"), the integrated approach currently being implemented is given priority in the education system.

**Keywords:** pedagogical, psychological, animation, didactic, cluster, professional activity, technology, design, construction

## Introduction

At the current stage of the development of the educational system, the connection of fundamental professional knowledge with innovative thinking and practical research approach to solving various educational tasks remains the most urgent problem. It is necessary to educate students to seek professional growth and to look for non-standard, innovative ways of solving pedagogical problems, including using modern technologies. According to A.N.Pimeno, the main criterion for evaluating the quality of education is the development of a multifaceted developed personality, which is flexible to changes in the socio-economic sphere and is successfully implemented in the conditions of informatization of modern society [1].

Within the framework of this research, it is necessary to consider the content of the professional training of the future informatics teacher in order to determine the level of his information-technological preparation in the conditions of using modern organizational forms of teaching in ICT-based educational activities in the developing information-educational environment.

The most complete definition of the concept of "competence" was given by A.V. Khutorskoy, which includes a set of interrelated qualities of a person shown in relation to a set of processes and objects, and it is necessary to act effectively against it [3 ].

Professional competence is determined by "correct professional education, experience and the level of individual abilities of a person, his desire for continuous self-education and self-improvement, creative and responsible attitude to business" [2 ].

In the development of information and technological training of future informatics teachers, special attention should be paid to competencies related to information and communication technologies, for example, information and communication competence (ICT competence).

It should be noted that the new ICT competencies of the future informatics teacher are necessary for the formation and development of an updated information-educational environment aimed not only at acquiring the skills of using information and communication technologies, but also at achieving the planned learning outcomes. It helps to form the experience of using ICT in educational activities as an effective tool.

The professional training of the future informatics teacher in the application of innovative organizational forms at any high level should be constantly improved, that is, the informatics teacher must constantly improve his professional competence in the use of modern methods, new forms and tools of teaching. should be developed.

In the conditions of the modern information-educational environment, the future informatics teacher has to solve not only the problems that the teacher faces today, but also the problems that the teacher is not yet familiar with, but may appear in the near future. should be ready to do. Accordingly, the goals, tasks, new tools, organizational forms, methods and mechanisms of interaction between the teacher and the learner should be defined in such a way that the concept of professional competence becomes important and valuable.

Innovative processes in education and science require radically new forms and mechanisms of teacher-student interaction. In the working program of the course "Innovative organizational forms of informatics education", we tried to consider in detail the methodological aspects of introducing innovative organizational forms of education in the training program of informatics teachers at the pedagogical university.

## References:

1. Байденко В.И. «Болонский процесс: результаты обучения и компетентностный подход. - М.: Исследовательский центр проблем качества подготовки специалистов. 2009. – С. 482-492.
2. Беспалько В.П. Бумажная версия электронного учебника. Школьные технологии. - М.: «Народное образование», 2007. -№ 2. - С.54-55.
3. Пригожин И. Введение в термодинамику необратимых процессов. — Ижевск: НИЦ «Регуляторная и хаотическая динамика», 2001. — с. 160.
4. Николис Г., Пригожин И. Самоорганизация в неравновесных системах. — М:Мир, 1979. — с. 512.
5. Djo'rayev M. Fizika o'qitish metodikasi: o'quv qo'llanma. — Toshkent: ABU Matbuot — Konsalt, 2015. — 280 b.
6. Turaev S.J. Methods of the using of software program Microsoft Excel in practical and laboratory occupation on physics, Scientific Bulletin of Namangan State University: 2019. Available at: <https://uzjournals.edu.uz/namdu/vol1/iss10/55>.