



## ORGANIZATION OF THE PROCESS OF INDEPENDENT WORK OF STUDENTS IN THE CREDIT-MODULAR SYSTEM OF EDUCATION

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Article history:	Abstract:
<b>Received:</b> November 26 <sup>th</sup> 2022 <b>Accepted:</b> December 26 <sup>th</sup> 2022 <b>Published:</b> January 30 <sup>th</sup> 2023	The article describes the importance and possibilities of independent work. In the development of students' creativity in the credit-modular system of education. And also proposes a project (scheme) for organizing the process of independent work to develop the professional and creative competencies of students.
<b>Keywords:</b> independent work, development, project, design method, creativity, creative competencies, pedagogical approach, pedagogical technologies.	

Access. Today, the conduction of the educational process in higher education institutions in higher education institutions shows that students can absorb knowledge only if they work independently. In the process of independent education: the main knowledge, skills.

They develop an interest in creative work and motivates the creation of inventions, ideas, and developments in their future professional career. Therefore, systematic planning and organization of the process of independent work in the formation and development of professional and creative competencies of students are important.

The quality and effective organization of students' occupational sectors (direction), block of subjects (teaching or individual), independent work assignment requirements (written, graphical, practical), and a result of independent work. The appearance and formalization depend on the factors such as (products, appliances, software, scientific article, teaching materials, etc).

In addition, attention should develop students' competencies in consistent and systematic activities.

Or should develop their appreciation and compatibility.

In general, independent work is appreciable for the use of integrations in the labor market and the use of integrations in science, science and industry in science and industry, science and production, and creating integrations in science, science and industry. Like, it allows for the development of competencies.

The purpose of the study. Regularly, regardless of the form of the education system in the higher education system, the audience has been sufficiently established using modern educational technologies. For the independent operation of students under the teacher's guidance, the subjects of their homework and tasks, control materials, and manuals (projects) are well-established, but manual learning materials) are also well-booked... There is not enough attention to organizing individual independent work of students.

Individual workers of students in the subjects (preparation of students, work in the library, preparation, testing, preparation of tests) to participate in science Olympiads, give a speech at scientific conferences, scientific conferences, scientific conferences, and preparation of articles develop competencies such as scientific and exploring. In the individual independent work of students, creating material developments such as products, equipment, software, and teaching materials will ensure the development of creative competencies.

The process of education, science, and industry of the current day will also be able to achieve the effectiveness of students' independent work. It is advisable to the students who are the participants of the Production Enterprise with the Customer based on the economic contractual basis. In this case, students have a positive attitude toward independent work. Students can find the solution to the issues of employment used by the student's independent work. So that not only their experience and competencies will increase, but also competence will develop as well. Today, there is an example of the monetary of some projects participating in students.

Based on the above views, students are vital:

- in the development of their creativity,
- and submission,
- or preparation (results),
- requirements described in the curriculum.
- Therefore, it is necessary to organize the independent work process to develop:
- the professional
- and creative competencies of students

- to divide the process of independent work into stages for students.

Research Analysis and Results.

The developing process of professionalism and creative competence is high, and the possibility of organizing the process of module-competent and innovative approaches. This process is due to the modular-computer-competitive approach:

- to the formation of their specific professional competence or group of competencies,
- provided the invention-creative competencies,
- taking into account the involvement of modern educational technologies, techniques, and tools [1].

Creative competencies in students do not develop themselves. There are theoretical and methodological bases for the formation and development of creative competence for students in independent operation [2.3.3.4].

- Forming students' creative work,
- creative thinking skills,
- creating creative thinking skills,
- and creative movement of creative practices in the development of creative competencies for the development of creative competencies in the development of students.

We have determined the development of a student's creative independence, so we found it necessary to focus on the above work in our research paper.

The analysis of creative competence and literature in the university has shown that creativity in future specialists, it is mainly necessary to focus on creative work and components such as creative thinking.

Independent work is different from other forms of education:

- intellectual,
- motivational,
- independent,
- active,
- rich,
- emotional,
- surgical organization,
- and the opportunity to continue continuing to work with life, and emergency.

Creative independent work has the following advantages over other forms of education:

- leads students to expand their knowledge,
- skills,
- and skills within modern requirements;

Creative thinking is an innovative, original and critical approach to professional activity:

- to find the optimal option,
- to choose the optimal option,
- to choose an optimal option,
- and express the optimal image.

The skills of independent thinking are mainly formed and developed in the independent process.

To develop creative independent work, it is necessary to organize independent work based on modern teaching technologies (mixing, design, virtual laboratory).

To develop creative independent thinking, interactive training should be used between the methods, cluster, mental attacks, and concepts analysis) [5].

*Based on the above considerations, we have found it necessary to design the independent work process as one of the ways to develop creative competence.*

According to L.V.Golish and D.M.Fayzullaeva "The role of the" Project "method in intensifying students' is vital knowledge. In the educational process, the project - concept is widespread. And the project is used to establish any organizational form to organize a targeted activity with a result (project) [6].

This activity means that the project is a product of action aimed at developing the content of pedagogical activities, guaranteeing its progress, and ensuring its progress.

Design is a practical action aimed at predicting, forecasting, and planning a project through the initial data.

The learning process is to develop a project (scheme) and take into account all factors.

Designing in education is one of the developing methods of independent research (the use of the problem, the use of information, information, information, and finding the instructions, making ideas, making a decision -Serov leads to work, analysis, assessment) and developing creative abilities and logical thinking, and helps to understand the knowledge gained in the educational process [7].

The purpose expected by designing the design is to understand and be able to understand and apply knowledge, skills, and skills related to various academic subjects by student learning. [1]. The purpose of the design tracked:

- to train in planning (can be able to identify the goal, to express the main stages of achieving the goal during the work);
- Formation of the skills to collect and process information materials (can select and select the necessary information);

- Forming (creative and critical thinking) of the analysis.
- Formation of written recording skills (to develop a work plan, clear information,
- clearance of comments,
- to have an understanding of the necessary literature).

During our research, was determined the:

the use of the project method in the organization of independent work of students.

The scheme was developed based on the design method of the independent process for the development of professional and creative competencies of students.

Independent assignments in the proposed independent project, i.e. the requirements for independent work (developments).

And their volume and performance time must be normal. Because, instead of more than requirements, instead of the positive results awaited independently, the contrary may result negatively.

➤ The analysis, synthesis, optimization, and inspection of the project scheme are repeated (cyclical) processes, depending on the level of complexity of independent work and the degree of self-assignment.

➤ It is advisable to charge the repeat processes to computer technology, the method of mathematical modeling. In this case, it- competent develops in the creation or generality of students' algorithms and programs.

➤ The proposed independent project consists of the following components based on professional competitions that must develop in students:

➤ Understanding the requirements of an independent work assignment (Creative, information, innovation, technological),

➤ Determination of the assignment,

➤ carrying out calculations based on the knowledge relevant knowledge,

➤ finding an optimal solution for the assignment, and starting the development.

➤ Analysis of independent work (creative, technological) is fictile to individual elements or parts, which are a fixture for individual elements or parts, analyzing the operation of the development on satisfying indicators and classification.

➤ Synthesis of analyzing results,

➤ synthesis of independent work (creative, technological) - elements or parts of the allocated development, combining a whole.

Determining the implementation of independent work (creative, innovative)

the implementation of the assignment, assessing the quality of the assignment,

organization of developing applications, generally creating creative thinking in general.

➤ Improving independent work is an option, satisfying the established development such as social, household, scientific, and economic needs, taking into account the established development of modern achievements in science, science, and production.

➤ Preparation of independent work (creative, information, innovation) - preparation of the necessary development in the form of necessary (written, graphic, articles, training materials, products, and equipment).

➤ Presentation of independent work (Creative, communicative, psychological) - demonstration and protection of the indicators and classification, such as the purpose of the created development, and the need.

Based on the organization of independent work on the project, the student can develop creative competence inconsistent and intermittent. Each stage of independent performance requires creative and critical thinking such as the student, creating modern methods and technology tools in creating development, such as the student.

The presentation of the results of students' independent performance, i.e. the analysis and evaluation of the developed development, develops their professional competence. At the same time, students realize information, technology, creation methods, and tools, strengthen their theoretical knowledge, and develop motivation. Especially in the form of roundtables, the analysis of the results will develop the development of creative thinking such as students giving proposals, and understanding and logical conclusions. The discussions and discussions in roundtables continue to develop creative competence, such as students and reasonable arguments and solutions to problems. [8]

*Conclusion.* The transition of higher education in the credit module system and the introduction of students independently in the educational process is a key factors in the development of creative competencies. The establishment of the independent processing of students on the proposed project and the development of creative competencies will lead to the formation of students in all areas of education.

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