The study is due to the need for an integrative approach to the management of educational and cognitive activities of students of higher educational institutions in quarantine. The world experience of using distance technologies during coronavirus epidemics has made it possible to replace classical education with the traditional model of teaching an information-technological approach to the management of cognitive activity of university students. The use of innovative technologies in distance learning is able to actualize the motivation of students to learn, to diversify their individual-oriented strategies of cognitive activity.

It is possible that the adaptation process in the learning environment under the traditional model of learning will be more effective for freshmen. Instead, in the postmodern educational model, students' cognitive activity is more effective in general, because it is positively correlated with the formation of their internal motivation to learn.

The new paradigm of education with the use of modern pedagogical models orients the university teachers to identify the individual educational and professional needs of the student and develop programs to update his motivation to achieve academic success and, accordingly, to meet his requirements. The fundamental idea of European educational models is the active and independent cognitive activity of the student. The individual system of student self-regulation in the postmodern model of learning is the foundation (basic basis) for the manifestation of his personal and professional characteristics as a subject of educational and cognitive activities in the process of professional development.

The experience of many countries (Greece, Denmark, Spain, Great Britain, Russia, etc.), which are part of the network of productive institutions, proves that education could be reoriented from knowledge transfer and control of their formal acquisition to the organization of motivated, independent practice-oriented training, the results of which are presented in a specific socially significant product.

The integrative approach to the analysis of the world postmodern education system on the experience of European countries and in particular, the postmodern model of teaching Ukrainian society, includes social contacts in the system “teacher - student” taking into account modern information technologies and various forms of distance learning.

Despite the modern integrative approach to the analysis of efficiency of management of educational and cognitive activity of students of a question of display of their individual features and optimum means of self-regulation in knowledge of initial realities of a professional life.
THE INITIAL PRESUPPOSITIONS

In the article, the following research methods were used to solve the set tasks: theoretical (study and analysis of scientific and pedagogical, psychological and pedagogical, reference, specialized literature, regulatory documentation on the topic of research, additional professional advanced training programs; analysis, comparison, classification of the information received and generalization); empirical (pedagogical experiment, observation, questionnaire survey, survey, conversation, testing); mathematical (statistical data processing).

METHODS

Cognitive activity of students is the subject of research by many psychologists and educators. Psychological and pedagogical analysis of the management of cognitive activity of students of higher educational institutions in the postmodern model of education covers, in our opinion, two humanitarian strategies with appropriate methodological and methodological technologies. The first is related to the study of the impact of European models of education on the cognitive activity of students, comparing the tradition of national education with world experience, theoretical analysis of English sources, analysis of the categorical apparatus on this issue in related sciences. The second - reflects the practical interest of scientists in studying the effectiveness of management of educational and cognitive activities of university students, identifying factors for its improvement.

The systematized knowledge in the field of pedagogical modeling of students’ cognitive activity management in the conditions of mostly distance learning, as well as the description and analysis and improvement of the mixed system of educational activity in the field of education, introduction of European achievements of psychological and pedagogical science and practice are important for university teachers. The learning model described in the article is considered by us as a pedagogical system, as well as mainly a process compared to the result.

A model is an abstract representation of a theory, in the construction of which the main requirement is its adequacy, i.e. compliance with reality, the essential properties of the object. Systematic is an integral feature of the scientific model. Postmodern model of learning as a complex educational system, which is interconnected classical and postmodern structures of education, built on the principles of determinism (due to social crises in education and actualization of needs of participants in the educational process), indeterminism (universal relationship of our phenomena) and additionality (as knowledge of features of educational activity of students by means not only of psychology and pedagogics, but also information and technological disciplines).

Today’s learning conditions have led to a mixed type of educational model in education, which we have called the postmodern model of learning. It includes elements of the following educational models:

1. European model of education, the use of which forms the habit of making choices and being responsible for it. The model allows students to independently choose courses from the lists offered in higher education institutions. Such an educational model teaches the student to think independently, to look for additional sources of information, not limited to the acquired knowledge and to acquire new knowledge on the basis of the old, which explains the new.

2. Phenomenological model of education. Provides for the personal nature of education, taking into account the individual psychological characteristics of students, careful and respectful attitude to their interests and needs. Education is seen as humanistic in the sense that it most fully and adequately corresponds to human nature, helps her find what is already pledged.

3. The non-institutional model of education is focused on the organization of education outside social institutions, in particular higher education institutions. This education in "nature", with the help of the Internet, in the conditions of "open schools", treble
training, etc. Proponents of this trend advocate the right of the individual to autonomy of development and education.

4. The traditional model of education is a model of systematic academic education as a way to transfer to the younger generation the universal elements of the culture of the past, whose role is mainly to form basic knowledge, skills and abilities (within the established cultural and educational tradition). Acquisition of knowledge, values and skills of a higher rank, compared to those already acquired.

5. The problem of the phenomenon and manifestation of trends in education and pedagogy is considered in the works of such leading American philosophers of education and educators. The postmodern theory of cognition differs from the traditional model. Its characteristic features were “delegitimization of knowledge”, “demystification of language”, “anti-universalism of knowledge”.

6. These theoretical positions pushed scientists to form a new pedagogical theory and a new postmodern education, which initiates multivariate strategies for its implementation, cultivates the universality of knowledge, human creative activity and subjectivity, creates social, educational and psychological conditions of personal well-being. The realities of education are related to the rethinking of the need for new reforms, the loss of the values of modern education, crises in the professionalization of not only future professionals but also their senior mentors. In this regard, it is important to find ways to preserve the best technologies for optimizing the cognitive activity of students of higher education.

There is absolute and true knowledge. Constructed knowledge should be useful, one that can be applied in practice, and not abstract, which only describes the facts. Postmodernist theory of cognition tries to destroy the classical structure of the relationship between teachers and youth, to rethink reality, to cure thinking from totality, to include in reflection individual worldview scientific experience, as well as the experience of borderline situations and everyday life.

The design method makes it possible to change priorities in the learning process, highlighting equality in the relationship between teacher and student as a new educational value, in terms of information exchange and recognition of its validity. In society, led to the formation of a new educational paradigm, in the center of which instead of the question “what do students know?”, The question is asked, “who are they?”. It is this approach to knowledge in educational activities contributes to the formation of a self-sufficient, autonomous personality.

Trends are identified at the following stages of the pedagogical process: a) the stage of goal setting; b) the stage of realization of the goals of education and upbringing; c) the stage of evaluating the results of educational activities. Pedagogical postmodern goal-setting involves the formation of a person capable of self-creation, change and improvement, considers individual values of the individual a priority in the pedagogical process. Today in Ukrainian education, despite the relative authoritarianism of teachers, there is still a tendency to change the style of relations between teachers and students. The priority of active, interactive and creative methods and forms of learning is fully recognized. The space of an educational institution turns into a hyperspace, which includes a society with an "open" type of education system and shifts the emphasis on the formation of self-regulation of the individual, who is able to learn throughout life. At the stage of evaluating the results of educational activities under the influence of recognizes the priority of the learning process over its results, the use of various forms of assessment, puts at the center of the educational process a particular student with his cognitive abilities, learning goals and professional values.

The education system is still based on the experience of the best methodological technologies of traditional education. In this regard, the classification of learning principles, which is “based on the functional-activity approach to teaching in higher education, namely: the principle of building a credit-module program: the purpose of information material, a combination of integrative and specific didactic goals, modularity, relative independence each module; principles of forming the content of the subject: the optimality of the
educational material in the module, structuring the content in the middle of the module, pragmatism, dynamism; principles of optimization of teaching activity: complex realization of didactic functions, problems, step-by-step formation of creative-cognitive mental actions, reliance on different types of clarity, rating assessment of knowledge, individualization, application of technical means of teaching; principles of optimization of independent work of students: conscious perspective, scientific organization of independent work, cooperation; principles of communicative interaction between teacher and student: personal approach, combination of group and individual forms of learning organization, dialogic communication. All these principles have been successfully applied by teachers in distance learning thanks to modern information technologies.

Distance learning as a kind of open learning with the use of computer and telecommunication tools that provide interactive interaction of all subjects of the educational process and independent work of students with the use of information network materials, most of which are prepared by the teacher. However, the available research does not address such important issues as the need to apply a holistic set of methods and techniques to enhance cognitive activity in the new conditions of use of modern information tools by educators. The role of the teacher in distance learning, the use of computer-mediated dialogue in learning, as well as the diagnosis of student achievement, in particular the levels of their cognitive activity, remain unresolved.

Based on the methodological approaches of the above scientists developed an experimental program of pedagogical technology of distance learning, aimed at enhancing the cognitive activity of students, focusing on the priorities of psychological and pedagogical motivation, problem-solving independent activities of students, creative dialogue, methods of diagnosing academic achievement.

Modern information technologies are able to provide educational activities with diverse, compact and operational tools that serve the active cognitive and creative solution of significant contradictions in the theory and practice of the student. These tools are determined primarily by the teacher and to some extent by the student himself. The teacher acts as the author of the original curriculum, the developer of problem tasks, the organizer of electronic discussions of scientific and developmental character, the consultant at all stages of cognitive activity and, at last, the main expert of educational achievements. The student becomes a co-author of their educational programs, an active participant in the educational process.

In today’s world, the postmodern model of learning has integrated distance, traditional and individual-subject in the education system of many European countries. An important effective characteristic of the postmodern model of learning is the individual-subjective activity of students in cognition, in mastering competencies due to certain personal and professional qualities, independence in processing the material.

Competences are formed more successfully due to the reduction of external, in particular motivational influences of teachers on the student’s educational activities. An indicator of the productivity of the postmodern model of learning is the achievement by students of both procedural and effective success. Management of students’ cognitive activity in the postmodern model of learning under quarantine has its own specific features: individual capabilities of students, their personal resources in professionalization, with a focus on creative processing of a large flow of information - on the one hand, and to some extent inflated objective expectations. training programs - on the other.

Formation of practical professional skills on the basis of the acquired theoretical knowledge. The counseling of professional teachers in the context of distance learning may not be enough to gain practical experience. In this regard, we believe that the effectiveness of cognitive activity of students should work staff of psychologists who are able to professionally explore the features of their knowledge, memory, thinking, attention, creative imagination, feelings and perceptions and develop individual programs based on test results to increase the productivity of mental processes in the learning environment and taking into account the purpose of forming creative professional thinking and the specifics of the specialty, respectively, the qualification level.
The cognitive activities of students in learning are related to information technology, their constant updating, the expansion of the cognitive space within each discipline and the transformation of cognitive-professional cognitions into a structured experience. In this regard, the management of students' cognitive activity in the postmodern model of learning is carried out through the following approaches: motivational-psychological, information-technological and integrative. The latter is optimal because it covers psychological-pedagogical, information-technological, innovative and remote methods of this management. Its indicators, professional competence of teachers and partner social contacts organized by them. Internal motivation to teach students is an important psychological factor of cognition, which integrates virtually all subjective indicators of management of cognitive activity of students, their personal and motivational characteristics, professional self-awareness and positive self-affirmation in connection with the willpower, experience of success and pleasure.

The activity of students is carried out due to external motivation, in particular the modular rating system of control and evaluation of their academic success. Timely introduction of modern information technologies in distance learning, including the availability of computer testing, information communication, electronic libraries and lecture courses and methodological technologies for distance learning in quarantine are integral components of the educational model.

Most students' learning situation - distance, in quarantine - is an urgent crisis situation in their professionalization. It can be associated with a state of maladaptation that occurs at the psychological and social levels and is expressed in the loss of basic motivation, changes in life values, behavioral disorders, features of “motivational” personality profile, dissatisfaction with current social needs and, consequently, failure to realize certain motives of activity, deformation of motivation of achievement, emotional instability, internal contradictions in the value-motivational sphere.

Motivational mechanisms of adaptation of the modern student's personality to educational changes and its motivational characteristics which are capable to provide qualitative professional preparation in a situation of non-normative crisis of professional formation: it is internal motivation to educational activity, shift of motive on the purpose or the mechanism of transformation of motive on the purpose. to the requirements of the professional environment, the mechanism of “achievement” as a set of internal prerequisites that ensure the academic success of the future specialist, the conformity of the psychological content of self-regulation of his behavior to the expectations of the professional environment.

The system of purposeful psychological and pedagogical influences of increasing the level of functional and professional adaptability (indicators are academic success and effectiveness of cognitive activity) of students in a situation of educational changes aimed at correcting motivation and forming a constructive attitude to the crisis of professional development and conducting with students in need psychological assistance, psycho-training - the development of confident behavior in a situation of non-normative crisis of professional development, personal and professional growth, the formation of communication skills and motivation to succeed in professional activities. Such classes can be successfully organized online.

Cognitive-motivational variables of educational-cognitive activity (optimistic style of students' explanations of successes and failures in educational activity, idea of controllability of academic achievements). Successful people have a sense of control over the learning process, faith in their potential and higher academic self-efficacy. Cognitive-motivational variables are predictors of the variables of the target block and the block “response to failure”. In particular, higher academic self-efficacy and control are predictors of more effective coping strategies, such as proactive problem solving and seeking help. The data obtained indicate the need to separate positive and negative life situations in the analysis of cognitive style in the context of success (IASECHKO, KHARLAMOV, SKRYPCHUK, FADYEYEVA, GONTARENKO, SVIATNAIA, 2021).

There are no gender differences in students' cognitive-motivational variables. The results of her research do not correspond to the data (Peterson, Barrett, 1987) obtained on American
students who showed a link between academic achievement and optimistic perception of negative learning situations, but confirms the data of British researchers (Corr, Gray, 1996) on the role of optimistic attributive style in the success of the activity. We can assume that the identified contradiction is related to the specifics of culture, positive thinking in Russian and American students and the specifics of higher education, where the ability to positively perceive difficult life situations and adapt to them becomes critical.

Sources of demotivation in the cognitive activity of students are: traditional system of education with various forms of external motivation to the detriment of the development of internal; emphasis on memorizing knowledge with insufficient attention, critical thinking, learning skills, effective learning strategies, goal-setting and reflection strategies, creative problem-solving skills; insufficient use of problem-based and research teaching methods that provide a productive interest in the process of cognition and the search for new knowledge; the tendency of teachers and parents to excessive control of the educational process and its subjects, ignoring the initiative, which negatively affects the needs for autonomy and competence; insufficient motivation in the process of cognition of teachers themselves, who experience symptoms of burnout and learned helplessness, which does not allow students to observe optimal models of intrinsic motivation.

Sources of internal motivation of educational activity are: purposeful construction of educational process according to the laws of development of internal cognitive motivation; meeting the basic needs of the student in competence, autonomy, acceptance, cognition, achievement and self-development; application of resources of modern psychologically substantiated technologies of training; maintaining students' sense of their own educational competence, self-efficacy and the development of constructive optimistic thinking in them; the presence of motivating feedback from teachers.

The model of learning in the modern European space of education is a "mixed" form of learning. Today, this form of education is used in many Western universities and is most suitable in the current situation in Ukraine.

Blended learning allows to achieve the following goals: to expand the educational opportunities of students by increasing the availability and flexibility of education, taking into account their individual educational needs, as well as the pace and rhythm of learning; to stimulate the formation of an active position of the student, increase his motivation, independence, social activity; individualize and personalize the educational process, when the student independently determines their learning goals and ways to achieve them.

**RESULTS AND DISCUSSION**

In blended learning there is a choice of the right combination of methods. There are 6 such Blended Learning models with different emphasis, needs and costs:

1. Face-to-Face Driver. The teacher personally provides the main volume of the educational plan, if necessary, interspersed with online learning as an auxiliary. This model often includes classroom and laboratory work on computers.

2. Rotation Model - the rotation of the schedule of traditional full-time education in the classroom and independent online learning in a personal mode (for example, via the Internet according to the plan of links compiled by the teacher.

3. Flex Model ("Flexible model") - mostly used online platform, the teacher supports students as needed, from time to time works with small groups or with one student.

4. Online Lab ("On-line laboratory").

5. Online platform is used to conduct classes in the classroom Such self-Blend Model can be combined with the classical one within the framework of the usual academic schedule.

6. Self-Blend Model The student decides which of the Brick and Mortar courses he needs to supplement.

7. Online Driver Model ("Driver - online learning").
Basically, this model involves online learning - through a platform and remote contact with the teacher. Ogu can be added to face-to-face classes and meetings with the teacher.

The results of the study of the peculiarities of development and levels (from high to low) of cognitive activity of students of two universities are compared with the classical model of education, with slightly authoritarian pedagogical interaction and postmodern, in quarantine, with wide use of information technologies and partnerships between teachers and students. giving the latter the freedom to choose the planning of their cognitive activities (IASECHKO, IASECHKO, SMYRNOVA, 2021).

It is confirmed that students with traditional learning strategies are dominated by reproductive (conscious memorization and reproduction of the sample) and productive (originality of conclusions, manifestation of critical thinking, application of acquired knowledge in practice) cognitive activity. The expansion of new ways of worldview and cognition in distance learning and with free choices of learning, without departing from the planned topics of educational material allowed the dominant manifestations of not only productive but also creative (initiative in determining the means of cognition and creation of new through deep penetration and their connections) cognitive activity of students.

In addition, students with a high level of cognitive activity are intrinsically motivated, need knowledge as the most important motive for cognitive activity, a positive attitude to the chosen profession, developed cognitive interests and enjoy learning. Such students show initiative in the learning process and creatively master the means of cognitive activity. Students with an average level of development of cognitive activity are dominated by a sense of balance between satisfaction with the profession and doubts in it and there is external motivation.

Students with a low level of educational and cognitive activity are unsure of their abilities, do not show interest in creative research. It is possible to activate their cognitive activity through the development of professional motives and cognitive abilities in the conditions of distance learning with the inclusion of specially selected by the educational psychologist-consultant forms and methods of classes with game modeling of creative process and partnership. It is desirable that these classes be subordinated to the goal of forming students' realism in assessing their own capabilities in accordance with the educational requirements, self-regulation, responsibility for decisions, the ability to work in a team (IASECHKO, SHELUKHIN, MARANOV, 2021).

An integrative approach to the analysis of the postmodern model of education made it possible to describe it as a complex structural-procedural system based on the principles of educational democracy, unconditional acceptance of individual features of educational and cognitive activity of the future specialist and his personal and motivational characteristics.

The realities that are manifested globally in education have become today the subject of analysis in the educational environment and so far difficult to master in practice an element of real educational experience. It is necessary to provide opportunities for reorientation of education to the requirements of the subjects of educational and cognitive activities - participants in the educational process, to implement the principle of personal and professional development of students - “quality of life” and focus on learning the values of social welfare.

CONCLUSION

The cognitive activity of higher education students depends on the integration of psychological and pedagogical technologies of the postmodern education system, which combines the best methods of traditional, distance, European and individualized models of education. The individualized model of education should be purposefully leading, as it provides personal and professional development of students through the study of their individual style of cognitive activity and educational and professional needs of customers of educational services.

Management of students’ cognitive activity in the postmodern model of learning covers a holistic set of motivational components, taking into account the pedagogical technology of
distance learning. With the help of modern information technologies it is possible to trace the dynamics of cognitive activity and academic success of students or to develop them through psychotraining, electronic discussions with virtual dialogues in the system "teachers - psychologist - social pedagogue - students", which can be justified by many real meetings of all participants in the conditions of direct pedagogical interaction.

Undoubtedly, the activation of cognitive activity of university students is facilitated by personality-oriented activity approach: self-regulation, motives and goals of learning and cognition, their information-cognitive basis with electronic programs and planning as constant components of traditional educational model.

The model of activating the educational and cognitive activities of students is based on the principles of acceptance of their professional competence, nonlinear thinking, initiative, personal and professional characteristics.

Innovative information technologies for the development of students' cognitive activity allow them to quickly master the educational material and quality management of their independent work. They serve an important purpose - to create psychological and pedagogical conditions for the activation of cognitive activity in the participants of the educational process.

Equally important is the introduction of pedagogical innovations in the school with the modernization of personal aspects, the use of information technology to differentiate the professional orientation of cognitive activity and individual personal and professional characteristics of young people.

With all the variety of psychological and pedagogical means of optimizing the cognitive activity of students, one of the important pedagogical goals is the formation of future professionals' skills of self-regulation, intrinsic motivation to succeed in learning, creative professional thinking, independence in solving unexpected problems.

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Psychological and pedagogical aspects of management of activation of cognitive activity of applicants for higher education

Aspectos psicológicos e pedagógicos da gestão da ativação da atividade cognitiva de candidatos ao ensino superior

Resumo
O artigo apresenta resultados de pesquisas teóricas, psicológicas e pedagógicas sobre a eficácia da gestão da atividade cognitiva de alunos de instituições de ensino superior. Fica fundamentada a noção do modelo de educação como um tipo misto de tecnologias pedagógicas de educação e com orientação sobre as necessidades educacionais e profissionais dos alunos. O modelo pós-moderno de ensino é descrito através da atualização do potencial criativo do processo pedagógico, preservando o paradigma educacional clássico. São analisadas as peculiaridades da gestão da atividade cognitiva dos alunos no modelo pós-moderno de educação. São refletidas características pessoais e motivacionais importantes do aluno como sujeito da atividade educacional.

Palavras-chave: Motivação. Modelo pós-moderno. Atividade cognitiva. Educação a distância. Desenvolvimento profissional.

Abstract
The article presents the results of theoretical, psychological and pedagogical research on the effectiveness of management of cognitive activity of students of higher educational institutions. The notion of the model of education as a mixed type of pedagogical technologies of education and with orientation on educational and professional needs of students is substantiated. The postmodern model of teaching is described through the actualization of the creative potential of the pedagogical process, while preserving the classical educational paradigm. Peculiarities of students' cognitive activity management in the postmodern model of education are analyzed. Important personal and motivational characteristics of the student as a subject of educational activity are reflected.

Keywords: Motivation. Postmodern model. Cognitive activity. Distance learning. Professional development.

Resumen
El artículo presenta los resultados de una investigación teórica, psicológica y pedagógica sobre la efectividad del manejo de la actividad cognitiva de estudiantes de instituciones de educación superior. Se fundamenta la noción del modelo de educación como un tipo mixto de tecnologías pedagógicas de la educación y con orientación a las necesidades educativas y profesionales de los estudiantes. El modelo posmoderno de enseñanza se describe a través de la actualización del potencial creativo del proceso pedagógico, preservando al mismo tiempo el paradigma educativo clásico. Se analizan las peculiaridades de la gestión de la actividad cognitiva de los estudiantes en el modelo educativo posmoderno. Se reflejan importantes características personales y motivacionales del alumno como sujeto de actividad educativa.

Palabras-clave: Motivación. Modelo posmoderno. Actividad cognitiva. Educación a distancia. Desarrollo profesional.