

## ABSTRACTS

**Bugakova N.**

***Designing an educational program for the training of technical specialists***

*Modern trends in the design of higher education programs are considered, in accordance with the requirements of GEF, two pluses and requirements of professional standards of the relevant profile of training specialist.*

Keywords: competence model; teaching methods; educational environment

**Vitebskaya A.**

***Management of education as a means of personal and professional development of the students of the economic specialties***

*The article examines internal motivation, interest in educational and professional activities and the system of conscious self-regulation of students who are key resources that ensure the effectiveness and self-directed nature of activities, and also contribute to personal and professional development in this activity*

Keywords: Motivation; education; self-regulation; human capital; personal and professional development

**Kostylev E., Shmelkova L.**

***Sense transformations in the perception of corruption and the possibilities of their prevention***

*The article considers the regulating role of a personal meaning in the anticorruption choice of subject, which is indicated in the phenomena of emotional emphasis and the transformation of corruption perception characteristics as the social phenomenon and its consequences*

Keywords: self-justification of delinquent behavior; transformations of characteristics of meaningful objects; emotional indication; personal meaning; corruption

**Konopleva I., Gerasimova A., Konopleva V.**

***Introduction of the automated system as a means of improving the efficiency of governance of the high school***

*The author presents the problems of automation in the university, describes the introduction of an automated management system, anti-virus protection, electronic document management in an educational institution. The practical implementation of the reorganization of the communication system, the introduction and optimization of the main business processes of the university*

Keywords: automated system of management of the high school; database; server; antivirus protection; electronic document management; software communication system

**Moiseenko S.**

***The organization of continuous development of professionalism specialists in the field of freight transportation***

*Some results of research in the field of continuous / continued education and the development of professionalism are presented on the basis of the creation of a specialized system based on controlled processes of the self-development of specialists. The principles of the formation of the system are formulated. The main modules of the draft design of the specialized system of continuous education and development of professionalism of specialists in the field of organization of transport and management in transport*

Keywords: continuous education; specialists; distance learning; trends; system; self-



**Mychko E., Krakovskaya M.**

***Modernization of the process of professional preparation of the pedagogics for building social space of pre-school children's relationships***

*The article deals with the peculiarities of pedagogists's professional preparation for building social space of pre-school children's relationships in the Bachelor's and Master's programs «Psychological and pedagogical education» in the context of modernization of pedagogical education*

Keywords: modernization of pedagogical education; professional preparation; pedagogics development

**Tamarskaya N.**

***Principles for the formation of universal and general professional competencies for graduate students***

*The problem of the scientific justification for the formation of universal and general professional competencies of graduate students is considered, the principles of the formation of universal and general professional competencies of graduate students are presented: value-social motivation, awareness, reflexivity, interactivity, integrity, controllability*

Keywords: universal and general professional competence of graduate students; research teacher; scientific justification; principles of competence formation

**Klementsova N.**

***The problem of forming of general cultural competency: issues pertinent to the transition to the new standards of Higher Professional Education***

*It is attempted to characterize the situation in the higher vocational training experiencing the objective need of switching to the federal state educational standards of the next generation. The author poses the problem of assessing the regularity not only of this process but also of its criticism on behalf of the scientific and pedagogical society raised in connection with it. The analysis is undertaken of the ways the requirements for the results of the main syllabi mastering are formulated, namely the ones aiming at the development of the students' general cultural competency.*

Keywords: federal state educational standards for higher vocational training, competency-based approach; educational result; general cultural competency

**Vavilova L., Maslennikov P.**

***To the issue of individualization of the learning process in the aspect of forming a professional identity***

*The levels of professional identity. A pedagogical technology of increasing the effectiveness of education*

Keywords: professionally oriented tasks; the effectiveness of the learning process; intensification of training; professional identity

**Samsonova N., Potmenskaya E.**

***National Policy in the field of talent management in Russia***

*The investigation of the matter of new talent support network in the Russian Federation. Analysis of strategic and program regulatory documents, which reflects the national policy in the field of new talent support*

Keywords: talent; talent management; national policy

**Bezuglaya T.**

***Development of foreign and domestic psychological knowledge at the turn of the XIX-XX centuries***

*The article examines foreign and domestic psychological theories and concepts of the mid-19th and 20th centuries, which influenced the development of modern psychology and pedagogy in Russia.*

Keywords: evolutionary theory; heredity; psychophysiology, psychophysics; associationism; antihomeostatism; behaviorism; behavioral science; pedagogy; activity concept; personal concepts

**Bogdanov S., Vyatkina L.**

***Professional skills education managers***

*The article is devoted to the study of the professional abilities of managers. The study identified the components of pedagogical abilities of managers and their relationship in the hypothetical model of pedagogical abilities*

Keywords: manager; teaching abilities; a hypothetical model; managers of educational organizations; the approach; the theory of integral individuality

**Ermakovitch S.**

***The theory of intergroup relations and social change***

*The article touches upon the issue of social groups self-identification depending on their social status, strategies of changing negative image in connection with gender-dependent communication style*

Keywords: gender; social group; social status; stereotype; communication style; interpersonal relationships

**Moskvina A., Tretyakov A.**

***Innovative mechanism of organization of legal education of schoolchild's in modern pedagogical theory and educational practice***

*Annotation. In this article, researchers attempt to highlight the author's innovative mechanism for organizing the legal education of students in the conditions of a modern general education organization - the school center for legal information. On the basis of the results of a large-scale survey, among all participants in the educational relations of the general education organizations of St. Petersburg and Vilify Novgorod, a conclusion was drawn on the need to create a separate structural unit in a modern school that would represent a comprehensive mechanism for the formation of legal education for students of a new era. The program of classes on legal education of students among 9-11 classes is described, its planned results are reflected. Particular attention is paid to modern requirements for graduates of general education organizations. A significant place in the article is given to the communication structure of the school center of legal information. In conclusion, some generalizing conclusions on the problem are presented.*

Keywords: legal education; innovative mechanism; formation; all participants of educational relations; general educational organization; research; school center of legal information

**Potmenskaya E.**

***The theoretical aspects of talent management research***

*The research of human talent management. The analyze of the basic concepts and theories of the human and personal development. The description of conceptual ideas and new talent management benchmarks.*

Keywords: talent; talent management; human potential



**Toropov P.**

***The result of pedagogical experiment: social assistance as the technology of pro-social education***

*Some results of theoretical research and experimental introduction of technology of forming competence in pro-social cooperation at the school and university level are considered. The planned, predicted and unforeseen consequences of the pedagogical experiment are singled out. Attention is drawn to the socio-physiological factors (pregnancy and childcare), social factors (relationships of students with teachers and parents) and individual (interests, priorities, social circle) factors that influence the effectiveness of pedagogical influence and possible problems for participants in the course of its implementation. In particular, it is concluded that the micro society and some teachers are not ready to raise the level of pro-social cooperation for students, increase conflict, polarize opinions and globalize the goals of values of respondents and participants in the experimental groups.*

Keywords: pro-social education; social assistance; civil activity; consequences of pedagogical experiment

**Vlasova E., Ivanova E., Sysoeva A.**

***Infographics as a tool for the professional training of a modern teacher***

*In the article, infographics are considered as an innovative tool and promising technology for the professional training of a modern teacher*

Keywords: visualization; infographics; master's program; professional training

**Pugachev I., Varlamova I., Budilceva M.**

***Linguistic-oriented pronunciation teaching of foreign students in the intermediate stage***

*The article describes the problems of teaching foreign student's Russian pronunciation. The necessity of using a linguistic-oriented methodology for teaching pronunciation is affirmed on the basis of the analysis of phonetic interference errors of foreign students of the intermediate stage. The results of the study can serve for development of the appropriate remedial courses and manuals*

Keywords: teaching phonetics; auditory and pronunciation skills; interference; comparative analysis of languages; linguistic-oriented methodology

**Rudinsky I., Abdulhamid T.**

***Experimental research of efficiency of the application of asr-technology in foreign language learning classes***

*The results of the pedagogical experiment on the application of the technology of automatic speech recognition for the formation of the speech skills of students during the study of English as a foreign language are analyzed*

Keywords: pedagogical experiment; foreign language learning; automatic speech recognition; effectiveness

**Dzhanhuvatova Z.**

***Use of web quests in the teaching of the humanities as a means of assessing the formation of educational competences of students***

*The article considers the influence of modern information technologies on the delivery of practical training and justifies the relevance of using the web-quest technology in the educational process*

Keywords: design technologies; web quest; competence approach; human sciences; educational process

**Sokolova I.**

***Creating ecological passport as an important stage of preparation for engineering and technical personnel of engineering production in a technical college***

*The development of an environmental passport of a machine building enterprise is one of the methods of forming knowledge about the negative consequences of production, their monitoring, and methods for leveling damage. The innovative pedagogical method of projects will allow students to receive special skills and skills for creating a document that establishes the relationship of the enterprise with the environment*

Keywords: production ecologization; environmentally transparent information; ecological rating; ecological passport; project method

**Chelnokova E., Sulimova I., Terekhina A.**

***Independent work of students as a basis of the educational process***

*The author of the article turns to the issue of independent work of students in higher education. The reasons for the activation of independent work are indicated and its components are singled out. Denoting the goals of independent work, the authors determine the main characteristics of this type of activity. The authors call the principle of individualization of learning the basis for the development of independence and creative activity. The didactic principles of organization are singled out and the conditions for the effectiveness of independent work are indicated. The authors pay attention to the consideration of the importance of controlling independent work as a way to verify the effectiveness of independent work. The authors believe that in the organization of independent work, it is important to form a motivation for this type of activity and designate the motivation factors for independent work of students.*

Keywords: individualization of education; independent work; goals; characteristics of independent work; the principle of individualization of teaching; didactic principles; types of control; conditions of effectiveness; factors of motivation

**Artistcheva E., Piskun D.**

***The self-control and correction of knowledge of the theme «graphs» with application of graphoanalyzer and mathcad in complex***

*The article outlines the problems of teaching of the section "Graph operations". The authors of the article are developed the converter of matrix from a text file to the file of Graphoanalyzer. This software, the additional MathCAD functions for operations on graphs, MathCAD and Graphoanalyzer in complex are used for self-control and correction of knowledge of the theme "Graphs"*

Keywords: operations over graphs; self-control of knowledge; knowledge correction; matrix converter; MathCA; Graphoanalyzer

**Aghazadeh Sh.M.**

***The systematic course of learning mechanisms in the course of geometry (X-XI classes)***

*In this regard, the teaching of mathematics the certainty and manner of Geometry content line is the main object. From past till present it has been reflected debates about examining factors which studying with the gradual steps. Even more importantly, in contrast to the subject it has been discussed about the curriculum from specific to general, the review of certain aspects of an issue and the positive and negative aspects of Euclidean plane. At the end of the article, the same problem is illustrated by the linearity of the content of algebra and geometry, and also by the connection. This is useful for high school and secondary school teachers in the future education system*

Keywords: SPS (Special pedagogy of science); ICT (International Communication Technology); 10-11 classes; transforming geometry



**Mukhina S., Skorobogatykh E.**

***Mathematical Olympiad as an element of the system extracurricular work of students of technical universities***

*The article discusses the possibilities of mathematical Olympiad as an element of extracurricular activities of students in solving the problem of identifying students capable of creative thinking and enhancing their cognitive activity. The features of mathematical Olympiad in technical high school, its goals, selection criteria and methods of evaluation of participants.*

Keywords: mathematical Olympiad; extracurricular work of students; Olympiad problem; criteria of selection of tasks for mathematical Olympiad in technical high school; estimation technique

**Serykh A., Kapalygina I.**

***Competence of the health of students in the information and educational space***

*The article reveals the problems of the competence of the health of the schoolchildren in the conditions of the information and educational space. Information security in the field of education is a special area that requires due attention from educators and psychologists. School age is the most favorable for education and upbringing and the most vulnerable in the context of psychological insecurity from all kinds of information that is acquired by the students themselves from various sources. Special training, the formation of the necessary competencies allows the student to obtain real access to information resources and cultural values, as well as to determine the degree of safety and usefulness of information, to identify safety criteria and assess information. Therefore, the issues of the competence of schoolchildren in the field of information security and media health should be included in the field of activity of teachers and parents.*

Keywords: competence of health saving; information and educational space; schoolchildren; information security; communicative knowledge; socially significant skills; healthy speech environment

**Agaev N., Chelnokova E., Frolova N.**

***Innovative technologies in pedagogical activity on formation of physical culture of students***

*The choice of the research topic is related to the increased interest in public health problems. The authors point out that today more than ever human health is the most urgent problem of many branches of knowledge, among which a special place belongs to pedagogical science. Due to the fact that modern conditions for the development of society make high demands on the health and working capacity of the population, particularly the younger generation, the state, according to the authors, should create all necessary conditions for preserving the health resources of student youth, primarily through the development of physical culture. The task of forming high working capacity, sustainable health, creative longevity is a priority for teachers of the departments of physical education and sport, the solution of which is directly related to the use of modern innovative technologies. In the article the authors turn to the consideration of concepts technology, innovation, innovative technologies. The main directions and objects of innovative transformations in the pedagogics of physical culture and sports are considered. The tasks of applying innovative technologies are determined. Examples are given of the use of innovative technologies that significantly enhance the effectiveness of the process of physical education of students*

Keywords: healthy behavior; physical culture; physical education; students; technology; innovation; innovative technologies; teacher's innovative activity

**Danilenkova V.**

**Formation of funds for assessment tools for ecology in conditions of greening of education**  
*The rating level of knowledge of ecology allows to increase quality of ecological training of students.*

Ecological educational environment; complex tasks; level of assimilation of ecological knowledge

**Starovoit N.**

**The pedagogue of inclusive school in the frames of professional requirements, scientific researches and practices**

*The vertical of inclusion is built from normative documents to concrete activity of a pedagogue. For this reason, the problem of pedagogues' readiness to inclusive education is the essential one. Normative requirements to personal qualities and professional competences of a pedagogue of inclusive school are presented in this article. Professional standard of the pedagogue includes these requirements. The most important ones are the readiness to accept different children and professional direction to help any child*

Keywords: inclusive education; professional standard of the pedagogue; personal qualities and professional competences of the pedagogue of inclusive school; professional and psychological readiness to work in the conditions of inclusive education

**Shirshova E., Osten V., Mamulevich A.**

**The problem of realization of the circular method in the physical preparation of students**

*The authors study problem of organization of physical preparation of students with the help of the method of circular training is considered. The requirements of the educational standard, the conditions of training, the features of the physical readiness of students, the methodological requirements for the application of circular training are compared*

Keywords: physical education; students; physical training; circular training

**Zaitsev A., Sokolov A., Nasonova N.**

**Formation of professional competence of future fish farming engineers in production practice**

*This article summarizes the experience of the industrial practice for future fish farmers-engineers at salmon factory. It is shown that the former professional competencies correspond to the requirements of the professional standard of a fish farmer. It is established that the professional competencies of the students are formed to the full and become the basis for mastering the labor functions of the fish farm engineer, but it does not fully comply with the requirements of the professional standard*

Keywords: industrial practice; professional competence; labor functions; engineer-fish breeder

**Lurie I.**

**Conditions for increasing the motivation of the faculty of the university for quality educational and methodical work**

*Different levels of motivation of the marine engineering university teachers for methodical work on the example of the mathematics course are considered*

Keywords: motivation; professorial and teaching staff; educational process; statistical connections; methodical work

**Krukovich N.**

**Prognostic modeling in fishing as one of the components of professional education of marine engineers**

*The prognostic model of the fishery population in a changing marine environment is considered. Numerical solution of the model is presented*

Keywords: commercial populations; predictive models; fish stocks



**Balyko S.**

***Laguna integrated trainers in the training system of ship calculations***

*The article describes the benefits of training cadets and crews of Navy ships to fulfil responsibilities suited to marine service.*

Keywords: educational and training base; extreme situations; competence; commitment; specialist; management; professionalism; efficiency; integrated trainer

**Almentev V., Puzikov O., Efimov V.**

***About necessity of formation of basics of confessional culture of courses of military institutions of the national guards Russian Federation***

*The article examines the need to form the foundations of confessional culture among the cadets of the military institutes of the National Guard troops in order to prevent anticonfessional conflicts in military collectives, taking into account the fact that the leadership of the military high school (head of the department for work with personnel, deputy head of the faculty for educational work) realizes the complexity and importance the issue of distribution of cadets of different faiths into platoons and companies. One of the author's positions is that the organization of work in this area will be more effective taking into account the special features of the cadets' adaptation to the new educational conditions, as well as future officers of the Russian National Guard troops who will have to fulfill military duty throughout the Russian Federation and formed the foundations of confessional culture will be useful in everyday activities*

Keywords: anticonfessional culture; upbringing; educational process; pedagogical activity; educational activity; religion

**Bazarov D.**

***The role of computer science in the complex of educational disciplines of the university on the example of "Kaliningrad State Technical University"***

*The article deals with the problem of modern education in the subject of informatics. An analysis is made of the influence of the level of knowledge of schoolchildren on academic performance at the Kaliningrad State Technical University. The importance of computer science in the complex of educational disciplines of the university is explained.*

Keywords: informatics; EGE; propaedeutic; school; University; computer literacy; Information society

**Kislitsyn A.**

***E-learning resources and experimental estimation of efficiency of their use***

*Electronic educational resources are firmly incorporated in the process of training and preparation, beginning in early childhood continue through life. They continue active integration with classical methods and ways of learning rapidly they complement and enrich, and often become an abstract entity of the modern educational system. The use of information technologies in the educational process of the military institution requires an evaluation of their effectiveness, the definition of positive and negative aspects, and most importantly the search for rational solutions to improve "efficiency". They must comply with the requirements regarding the methodology of training, technical equipment, novelty and relevance. To determine the effectiveness of using electronic learning resources, is proposed for experimental verification to justify the pedagogical appropriateness of their use, evaluation of learning outcomes of trainees. The article considers the methods of determination of efficiency of application of electronic educational resources, such as observation, questioning, conversation, pedagogical experiment. The role of the experts, the characteristics of electronic educational resources, which should be subjected to peer review and evaluation.*

Keywords: electronic educational resources; experimental verification of the efficiency of the use; observation; questionnaires; specifications; the quality of education



**Kretov A.**

***To the problem of studying the normative-legal aspects of the formation of the social role and status of the student***

*Deals with a set of legal norms establishing the regulation of the requirements for the student's behavior as an element in the strategy and the prevention of legal nihilism among students, formation of law to ensure social role, in accordance with the status*

Keywords: social student status; legal student status; law-abiding behavior; prevention of legal nihilism

**Kukhorenko N.**

***Deviant behavior and putting on special school record***

*The problems of deviant behavior, its reasons, consequences and putting on special school record are considered in the article*

Keywords: teenagers; deviant behavior; putting on special school record

**Mitina E.**

*Pedagogical conditions for the formation of professional communicative competence of bachelors of linguistics*

*This article discusses the pedagogical conditions of the language teachers training . The author focus on the essence of these conditions and the need to ensure them in the process of further development of professional communicative competence abilities of language teachers*

Keywords: professional communicative competence; professional activity of language teachers; pedagogical conditions

**Sigidenko S.**

***Organizational requirements for test tasks performed with coursings of national guard's troops***

*The article discusses advantages and disadvantages, prospects for using test control, in conditions of updating the content of education. Difficulties in evaluating students through testing. This work reflects methodological recommendations for teachers in preparation for studies conducted on the basis of test control*

Keywords: pedagogical activity; test form of control; the principle of individualization; test; information technology

**Tkachenko S.**

***Opportunities of a foreign language for forming competitiveness of future middle ranking experts***

*The article describes resources of a foreign language used to form competitiveness and its role in professional training of future middle ranking experts.*

Keywords: a foreign language; competitiveness; professional training; future middle ranking experts

**Shcherbakova N.**

***Regional studies educational web quest in teaching oral communication in a foreign language in the linguistic University***

*This article describes the method of integration of regional studies materials into the content of foreign language teaching in professional training of the Bachelors of linguistics. The definition and theoretical justification of the use of regional studies educational web quest in learning foreign language communication at advanced level are given*

Keywords: professional language training; bachelor of linguistics; oral communication in a foreign language; educational web quest; regional studies educational web quest