

ABSTRACTS

Bokareva G., Bokarev M.

Forming of engineer's research competence in the educational training environment.

The consideration was given to the aspects of forming of the engineer's research competence in the educational training environment and the analysis of a contemporary ideological paradigm of the preparation and education of engineers in a higher educational institution.

Keywords: competence readiness of an engineer; research competence; creative research activity; educational environment

Bugakova N.

Quality management educational process in technical university

In the article the criterion base of efficiency of technical institution of higher learning is analysed in accordance with a inwardly university, by outwardly university criteria and their indexes.

Keywords: quality management; internal monitoring; performance indicator

Kostrikova N., Moroz Yafasov A.

Model Public Academy of technological innovation and social entrepreneurship for the modernization of the regional economy

Based on analysis of trends in the development of small and medium-sized businesses in the Kaliningrad region shows the feasibility of creating a public system of supplementary education in the field of technological and social entrepreneurship. It is proposed to build a "Public Academy of Entrepreneurship" in view of accumulated best practices in innovative educational practices developed regions of Russia. Complementing the regional universities - centers of crystallization of new engineering and technology development, and training of engineers of the new formation, "Academy of Social Entrepreneurship" facilitates the access of micro and small businesses to new technologies, organically blended into the model of the "triple development": universities - business entities - Regional and municipal authorities. It will improve the efficiency of regional innovation lift, providing training entrepreneurially oriented innovators for small innovative companies in promising directions of development of the real sector of the economy of the Kaliningrad region

Keywords: entrepreneurial education innovators; innovation; small innovative companies; knowledge economy; High - Tech, the model of "triple-development"; Kaliningrad region

Bugakova N.

Creation of the modern scientific and educational environment at branch technical university

The integrated approach in all fields of activity of university needs to be used at creation of the modern scientific and educational environment

Educational environment; scientific and educational activity; integration

Grivusevich G.

Ways of formation of universal educational actions among students in the context of the implementation of the GEF education

The problem of the formation of functional literacy among schoolchildren through the development of universal educational actions in the context of the implementation of the education

Keywords: federal educational standards general education; Expected outcomes of education; universal learning activities; functional literacy

Vlasova E., Gosudarev I.

E-learning for software engineer training

The e-learning implementation approaches for software engineer training are introduced

Keywords: e-learning; electronic information and educational environment; e-learning technologies

Dmitrieva J.

Distance learning technologies today as an effective tool of the educational process at the university

This article focuses on the use of educational technology today in the pedagogical process. In preparation for a teacher to work in higher education using distance learning technologies requires the use not only special knowledge, skills and experience of working with innovative technology, and creative skills creative final product. To this end, analyzing the teaching situation, and guided by the trends of today, I have explained the advantages of distance education in IDO, MSIU, implemented by legal, economic and technical specialties areas of training, shows the implementation of interdisciplinary connections

Keywords: E-learning; innovative technology; educational technology; law; professional competence; creativity; accessibility of education; interactive features; electronic remote training system

Kirakosjan M., Gerasimova A.

Modern pedagogical technologies in the educational process of high school

The article represents an overview of modern pedagogical technologies in the process of professional high education. The main authors' goal is to present and justify the author's vision about innovative educational technologies and their use in the teaching courses «Human Resource Management».

Keywords: pedagogical technologies; personal-based learning; project-based learning; case-study; web-quest

Makuseva T.

Psychological and didactic bases of individually oriented teaching in a unified informational and educational university environment

The article considers the individually oriented teaching which is based on the students' self-educational activity in a unified informational and educational university environment. Individually oriented teaching is presented as a technology that allows realizing the relationship of psychological and didactic ideas. The particular characteristics of informational and educational university environment are given in the article to analyze its impact on learning and learners. The authors show the examples of the transition to the individually oriented organization of educational process, analyzing the various researchers' attitude to the individually oriented teaching

Keywords: individually oriented teaching, informational and educational environment, self-educational activity, psychological and didactic bases

Gerasimova A., Kirakosjan M.,

Development of professional competences of the 080400 «personnel management» bachelor

The article considers the necessity of development of additional professional competences of the 08400 Personnel management bachelor in the conditions of world instability

Keywords: competent approach; professional education; additional competences

Pochinalina L.

Independent study students in distance-learning environments as cognitive view dialog interaction with the teacher

Abstract: the article discusses the various types of educational activity of students, special attention is paid to the organization of independent work of students in distance-learning environments. Formulates the problems motivational, procedural, and technological security self-classroom and extracurricular learning of students, representing a holistic educational system that takes into account individual interests, abilities and aptitudes of students. Is determined by the efficiency of the educational process with a view to enhancing the value of independent work of students as cognitive view of dialogical interaction "student-teacher"

Keywords: Independent work; educational activities; distance education; student,; learning; traditional training; individual training activities

Babulevich J., Balyko S.

Russian secondary vocational education: actual problems of development

The key issues of the modern Russian secondary vocational education are considered, the importance of vocational education in Russian economic development is determined.

Keywords: vocational education; requirements for modern specialist; improving the quality of education

Chuksina I.

Competence approach in the organization of professional communicative activity of the teacher of a technical college

It describes the competence of teachers, which includes professional, pedagogical skill, qualification, and functional literacy. Determined computer-tendons teacher not only basic education, the presence of a scientific degree of the ulcer-service, working experience, but especially its professional activities

Keywords; educational system; competence of teachers; Reassessment relativity; scientific research; competence-based approach; communicative activity

Tamarskaja N., ChernjaevaM.

Inclusive competence in the context of teacher professional standard

Based on the analysis of certain provisions of the professional standard of the teacher the urgency of establishing a system of advanced training of teachers for the implementation of an inclusive process in general education and the formation of an inclusive teacher competence

Keywords: inclusive education; training of teachers; inclusive competence; the formation of the inclusive competence in the professional development of teachers; teacher professional standard

Bychkova O.

The psycho-pedagogical component of the interactive forms of teaching in training of higher educational institution teachers

The psycho-pedagogical component of the functions and guidelines for using interactive forms of teaching in the educational process are determined as well as their applications in discipline teaching. The characteristic of interactive forms of teaching is given in regard with their use in the intensification of educational training

Keywords: training of teachers; psycho-pedagogical component; interactive forms of teaching, pedagogical education

Khatsrinova O.

Modern view on methodical competence of the lecturer of engineering higher education institution

Article is devoted to methodical competence of the lecturer of engineering higher education institution. Current trends of development of engineering education which have to find in the content of training of future experts are considered and be essence methodical competence of the lecturer of engineering higher education institution

Keywords: engineering education; training of specialists; lecturer of engineering higher education institution; methodical competence

Kibysh A.

European standards for Russian prisons

The article discusses the main directions of reforming prisons for juvenile offenders in Russia. Basis of the model of the educational center, the proposed guidance FSIN of Russia, became the achievements of colleagues from Switzerland and other European countries. The article deals with the essence of the upcoming changes in penal institutions for juvenile offenders

Keywords: educational center; reformatory prison system; juvenile delinquency; resocialization

Vlasova E., Kuzin Z.

Multioptional linear algebra problems solution in the educational process

Modified linear algebra problems solution algorithms are considered, which are oriented towards concurrent computing.

Keywords: computational science; linear algebra problems; concurrent computing

Avdeeva N.

Testing as progressive method of current control of students - knowledge

The method of testing students-knowledge in learning mathematics is considered in the article.

Keywords: the control of knowledge; testing; higher mathematics

Pets A., Razdorskiy I.

Didactic functions virtual instruments in the training of engineers

Examples of physical and technical labs using digital measurement systems. Didactic functions allocated virtual instrumentation. The conclusion about the prospects of designing learning environments poliontologicheskogo bachelors of technical universities and gifted students

Keywords: poliontizm; virtual instruments; laboratory practical; engineering pedagogy; development of gifted children

Usatova V.

Simulation of the system as a method of thinking in mathematics education of engineers

The article shows that the functional- mathematical modeling is one of the methods of system thinking, which is not so much a means of obtaining new knowledge, as a educational method of knowledge

Keywords: functional simulation; systems thinking

Poleshchuk N.K., Zaitsev A.A., Makarevskiy A.B.

Vestibular loads and their multimodal modeling on special simulators

This article is focused on the development of hard technical resources, designed to simulate loads on the vestibular system, which provides the perception of irritations, which can be used to indicate changes in head position and / or angular and linear accelerations of the body

Keywords: vestibular system; exercise equipment; balance; modeling

Bezuglaja T.

Psychological health as a psychological and pedagogical problem

The article is devoted to defining the essence of psychological health; presentation of the views of various scientific schools on the interpretation of this concept; allocation of factors that have a beneficial and adverse effects on psychological health.

The resulting study data could form the basis of training programs psychological and pedagogical direction of higher pedagogical school.

Keywords: psychological health; mental health; age periodization; sensitive periods; psychic development; personal development; personality development

Danilenkova V.

Health saving technologies in the ecological educational environment of technical university

Formation at students of socially significant ecological values by application of health saving technologies in the ecological educational environment of technical university.

Keywords: Health saving technologies; ecological educational environment of university.

Kapalygina I.

Theoretical analysis of the problem of health care in historical perspective

The healthcare issues in education, the formation of a healthy personality of the child are not to pedagogy something new. They are like a red thread through all progressive humanistic teachings from modern teachers and teachers of classics. Public health problems of the mankind has never been viewed as a public health activity, and, above all, as the patterns of interaction and human development in different conditions of life. In the pedagogical ideas and beliefs of the people was regarded not only as a social being, and that encouraged teachers-innovators for the study of prirodoohrannoi and chelovekosoobrazny in education

Keywords: health care; health; education, health care, education.

Sarżala D., Piestrzyński W.

Interaction of the family and the school as a condition of effectiveness of the process of education

The study addresses the issues concerning the importance of cooperation between institutions carrying out educational tasks. This problem has been presented on the example of the family as an educational microcircuit in connection with the functioning of the school. Particular attention was paid to the interaction between families and schools in the educational process, also other educational institutions were taken into account. The importance of merging influences and impacts of family and school environment has been pointed out here. Mainly the spheres of educational ties between families and schools, the levels of their cooperation in that regard, in addition, the indicators and the importance of that cooperation were analyzed

Keywords: Family; school; educational process; educational institutions

Tamarskaja N.

Portfolio competitiveness of graduate students

Theoretical bases and practical recommendations on the organization of graduate students with a portfolio in order to create the future competitiveness of highly qualified specialists. It is proposed to structure a portfolio of competitive and practice-oriented learning environment where its content

Keywords: preparation of highly qualified specialists; future competitiveness of highly qualified specialists; competitive portfolio graduate student; creation of a competitive portfolio of technology; conditions for the creation of a competitive portfolio of graduate student employment

Samsonova N. Dzhereleyko S.

Current Internal Training of the Employees of Small Business Enterprises

In the article, contemporary content and methods of internal training of the employees of small business enterprises are given substantiation. The article also discovers corporate responsibility as a main target of professional training

Keywords: Advanced professional training of employees of small enterprise; internal training; corporate responsibility of employees; professional training

Samsonova N., Minkova E., Petrova E.

Understanding of the professional risk areas employees of transport companies

The article is devoted to the identification of the professional risk areas specialists of transport companies. The authors examine the need of solving pedagogical problem of forming understanding and attitude towards risk of future specialists of the transport sector.

Keywords: risk; professional risk area; transport education

Toropov P.

Social assistance in the forward-looking system of social values: the results of the foresight study

Some results of theoretical and empirical studies of social assistance in place of a promising system of social values. Applying technology foresight for participants in the educational process of educational institutions in Kaliningrad. Displaying attitudes to the categories developed by the author and the prospects for the formation of competence in the social assistance of the youth

Keywords: advanced system of social values; social assistance; foresight research

Anyanova E.

The issue of the impact of technology of unilateral measures in the field of navigation

Urgency and importance of the issue of the maritime security leads to the development and adoption by the states of the unilateral measures in this area, especially from the USA. In addition not only the role of the international law becomes underestimated, but also the measures themselves are not enough effective in comparison with the measures of the international legal level. The one-sided approach to the maritime security repeatedly appeared to be insufficient effective, what supported the role and the meaning of the necessity of the conclusion of the international agreements

Keywords: maritime security; international law; criminality at sea; UN Convention on the Law of the Sea, 1982; unilateralism

Anyanova E.

The methodology of the improvement of the system of the measures against piracy in the international law on the example of Somalia

One of the few samples of such effective success in the field of the combat with the criminality at sea with the help of the world community is the international cooperation in the region of Somalia. In 2015 in the region there have not been registered any, although the amount of piracy and other attacks significantly increased since 2007 in this region and even led to the formation of the organized criminal structure, which at once started to be a threat to the intensive international navigation. The UN, EC and separate states (the USA, RF, India, Yemen etc.) were forced to initiate the measures to combat piracy and armed robbery in the piracy region. The crisis was regulated, the amount of attacks on the vessels at the coasts of Somalia reduced and the region stopped to be a piracy hot spot. It should be mentioned that such reduction of the piracy attacks in this period happened only in this region. It seems that this successful experience shall be applied to the other regions.

Keywords: piracy; UN Convention on the Law of the Sea, 1982; Somalia; maritime security; crime control

Moiseenko S., Bokarev M.

Differential-integral approach to the training of specialists in the field of risk management

The block model of informational and methodological support of formation of readiness of marine specialists to risk management, which includes units: information, monitoring scenarios of the AU, the definition of knowledge and skills that integrate methods and models, implementation tools (software). It is proposed to define the competencies and training content to use the method of differential-integral approach and the method of scenarios. To intensify the process of training specialists proposed to use a set of interactive methods

Keywords: marine experts; differential-integral approach; training of specialists; Risk Management

Sazonova Z.

The article analyzes the results of the V-th International IGIP Regional Conference on Engineering Education, held in MADI 11-12 March 2015. Analysis of the results of international collaborative research and teaching staff is carried out in terms of their relevance to solve common problems relevant to engineering education

Keywords: engineering pedagogy; engineering education; international conferences; scientific-pedagogical personnel; professional development of teachers

Odincov V.

Modeling the impact of design and operational factors in the study of atmospheric pollution Ship in the educational process

The requirements of the STCW for watchkeeping engineer competent in relation to environmental protection. Showing the means to achieve the required competence. The mathematical dependence, reflecting the impact of a number of design and operational factors on the content of carbon oxides in the exhaust gases of internal combustion engines ship

Keywords: educational process; design and operating factors; study of atmospheric pollution

Sazonova Z., Kudryavzeva E.

The project-aimed method as a structural component of innovational technologies of active cooperation

We analyze MADI's experience in the usage of the project-aimed method of organization and management of targeted activity, carried out together with the social partners — scientific organizations, manufacturing and business. The project-aimed method is a structural component of the technology of active cooperation of the bodies of various social structures that is system-oriented at the achievement of a joint result, which is of value for each of them. The effectiveness

of the method in the conditions of continuous change of external requirements that each social partner confronts is related to the realization of the objectively existing possibility of self-organization of a complex open system, partly due to the mobile change in the multicomponent structure of the integral resources it possesses

Keywords: engineering education; technologies for cooperation of social partners; organization and management; project-aimed method

Moiseenko S.

Software-oriented approach to development management professional marine specialists

The methodical approach to solving the problem of pro-professionalism marine specialists in high school after the period of their employment. The methodical bases of program-oriented approach to the organization and planning process of learning / self-development specialists. Target comprehensive program (TCP) is the tallies on resources, performers and timeframes set of processes and activities aimed at addressing the problem of formation of competencies in the most efficient way to set the timing and implementation of the idea of continuous development of professionalism. The technique of development of PCC professionalism and ways of its implementation.

Keywords: professional development; Targeted Comprehensive Program; competence; target management; training

Lurje I., Konovalenko T.

The concept of management training motivation based preventive improve the original training of students

The models for the formation of motivational attitudes of students, including the model of change of educational motivation in the learning process and recommendations for their implementation through the introduction of preventive training technology in the educational process of the university

Keywords: motivational installation; initial training; educational and pedagogical process; the level of learning motivation

Mongina F.

Model pedagogical support of formation of communicative competence of foreign Military university

A system of language training for foreign military personnel to form the communicative competence is considered, the necessity of organization of pedagogical support in this process is grounders

Keywords: foreign men of arms; educational support; communicative competence; learning the Russian language; the educational environment of military high school

Ovchinnikova L.

Simulation technology positive image of navy profession in the study Russian as foreign language

The article is considered simulation technology positive image of naval profession foreign military who study in Russia by contract. Substantiates the importance of this problem and methods of solution in teaching Russian as a foreign language by working with literary texts, movies and conducting classes in the form of a business game and debate.

Keywords: Russian as a foreign language; foreign military; the image of naval profession

Menshenina L.

Forms of organization of additional music education of student youth

The article argues organizational forms of additional music education in higher education institutions; forms of organization of general and pre-professional additional education are determined with accordance to state youth policy requirements, specifics of additional education, music education, and music culture; it presents a structure and content model of music salon and vocal studios in the frames of leisure and extra-curricular activities of students

Keywords: student youth; additional music education; music salon; vocal studio; leisure activities

Sobolenko A., Glazyuk D.

The opportunity of training professional competencies of lecturers during training students for profession of Marine Engineer with usage of the engine room simulator

The necessity for lecturers of major marine departments to have competencies which appointed by demands of International Marine Organization is based. The expert evaluation of opportunity of usage of Engine room simulator Transas for training competencies mechanical engineers in accordance with demands of Convention STCW 78/95 is made. The effort to make competencies of assistant lecturer of Ship Propulsion Department in accordance with demands of Ministry of Education and Science is made. This analysis is made in accordance with sphere of competencies and position prescribed on professional skills, knowledge and understanding.

Keyword: competence; marine engineer simulator

Starostina S., Krashchenko V.

The electronic educational area for masters of the direction «Technology of food from vegetable raw materials»

The main aspects of the electronic educational area for subjects formed professional competences for masters of the direction 19.04.02 «Technology of food from vegetable raw materials» are examined in the article

Keywords: informatization of educational process; innovative technologies in education; the electronic environment of the educational process; the automated training and control test system; training intensification

Starostina S.

The formation of anti-drug sustainability students: interactive session on the chemical-biological disciplines

The article substantiates the need for interactive sessions on the formation of anti-drug sustainability within chemical and biological disciplines. The aspects of design, plan and methodical providing of interactive employment within the discipline of "Chemistry of biologically active substances" are given. The conclusions on the impact of interactive lessons for the formation of anti-drug sustainability students are made. It is proved that this interactive lesson develops the creative competence of the teacher

Keywords: an interactive lesson, chemical-biological disciplines, students anti-drug resistance, creative competence of the teacher

Bubnovskaja T., Gadzhibek V., Kim T., Selionova J.,

On the question of the structural elements of professional competence of teachers of high school in the implementation of the basic educational program in the direction of preparation "Economy" undergraduate level (in case of VPO "Dalrybvtuz")

One of the main conditions of ensuring competitiveness of a higher educational institution at the market of educational services is the level of professional competence of the teacher of higher education institution defining quality of training of future experts.

Keywords: competence-oriented education; competence; professional competence; the structure of professional competence of the teacher of high school

Bubnovskaja T., Gadzhibek V., Kim T., Selionova J.,

A fund evaluation tools quality impact to assess the level of professional competence of the teacher (in case of the master's program "Economy" VPO "Dalrybvtuz")

At present, the Russian universities face with important problems whose solution will provide the learning outcomes, namely, the formation of all types of skills. For the formation of students' required competencies necessary to introduce modern educational technologies, and to assess the formation of competencies to create funds of assessment tools that allow for a comprehensive assessment of their objective

Keywords: competences; assessment of competences of teachers of higher education institution; Funds assessment tools