

## **ABSTRACTS**

***Kostrikova N., Krasnyanskyi I., Yafasov A.***

### ***Mikrokeysovye technology in vocational training and skills development of innovative economy and management***

*A new format of the cases in the form mikrokeys for use in the educational process in the system of vocational training and retraining of personnel management, high efficiency of their use in the learning process. Developed and tested method of evaluation of the effectiveness of learning technologies mikrokeysovoy groups prepares a reserve of the Government of the Kaliningrad region. Mikrokeys will be used for training of LGU, senior executives of organizations and enterprises of public sector entrepreneurship and innovation*

Keywords: re-training of personnel management; case; mikrokeys; innovative entrepreneurship; collective knowledge; intellectual development; state and municipal government (LGU); the mediation.

***Holodenin D.***

### ***Test-module to assess the skills and knowledge of graphic learning material***

*Development module provides control of knowledge on parts (objects) graphics educational materials, such as functional or schematic. How it works: download the graphic material, an indication of its facilities for testing and selection of the object to the correct answer. The number of objects is not limited. The module can be used in the preparation of engineers of various specialties*

Keywords: informatization; computer testing system; control of knowledge; graphic learning material

***Zabegalina S.***

### ***Forecasting of adaptation of students of high schools into account their psychological characteristics***

*Forecasting of adaptation of students of high schools should be under construction on knowledge of their psychological features and characteristics: valuable orientations and general orientation, motives of the person, a self-estimation, the qualities, connected with the general type of the higher nervous activity (feature of temperament, Neuroticism, emotional reactivity, an Extraversion-Introversion), accentuation of character, a locus of the control. So we'll try to open all concepts set forth above and their value for adaptation of students of high schools in given article*

Keywords: forecasting; adaptation; study -professional work; the psychological factor; motivational sphere, an orientation of the person; a self-estimation; type of the higher nervous activity; Neuroticism; Extraversion-Introversion; accentuation of character; a locus of control

***Bondin V., Ponomareva I., Zhabrova T., Manuylenko E.***

### ***Functional status and the health of the various categories of youth in the modern conditions of the ecological environment***

*The article considers the man-made factors affecting the state of the vegetative nervous system of the person. Comparative analysis of indexes of the vegetative nervous system in working and studying youth engaged in professional sport. Presents the results of experimental research on the impact of modern ecological environment on the health of young people*

Keywords: ecological environment; man-caused pollution; physical activity; indicators of the state of the vegetative nervous system

***Kuzencko V.***

### ***The problem about the lingual competence of the students of nonlinguistic faculties in the institutions of higher education***

*The knowing of the English language plays an important role in the getting the professional field. The lingual competence is the basic part of the future gradulators of nonlinguistic faculties in higher school.*

Keywords: lingual competence; nonlinguistic faculty; higher education; foreign language; the role of the foreign language; the formation of the lingual competence; the development of the lingual competence

**Smykovskaya T., Pavlova E.**

***The didactic conditions of realization of the step-wise model of the formation of giftedness in preparing students to the Olympiads in Informatics***

*The article considers the theoretical aspects of formation of gifted students in the framework of their preparation for Olympiads on informatics, as well as summarizing the existing experience of out-of-class work on the preparation for the Olympiads. Proceeding from the analysis of the educational situation, it is proposed-stage model of giftedness in terms of preparing students for Olympiads on informatics. In the article the conditions of effective implementation of the proposed model.*

Keywords: the formation of giftedness; preparing for Olympiads in informatics; system tasks; individual educational trajectory; distance learning

**Shumakova O.**

***Specificity of training foreign language teacher in high school***

*The article is dedicated to the study of the specific features of the process of English teacher professional development at a university.*

Keywords: professional development; the process of education; specific features; tendencies and structure of an English teacher professional development

**Mikhailov A.**

***Certain aspects of concept design of visual teaching information perception***

*The article covers certain scientific views of teaching styles and information functions in the cognitive activities of modern education. The author considers requirements, character and the problem of the leading representative system of visual teaching information perception that occurs in the educational process*

Keywords: teaching style; visual teaching information; visual aids; functions;

Representative perception system

**Sutormina E.**

***Philosophic-psychological aspect of studying a foreign language at the university***

*Philosophic-psychological grounds of studying a foreign language at the university are considered in the article*

Keywords: pedagogical stimulation; the process of studying a foreign language; the philosophy of language; culture; activity

**Abramova L.**

***First experiments of S. I. Gessen's in the sphere philosophy and pedagogy***

*The article traces the development of S.I. Gessen's ideas concerning pedagogy as applied philosophy (in 1916-1921)*

Keywords: philosophy; pedagogy; education; activity; creation

**Tkacheva T.**

***High school teachers training and retraining: experience of MADI***

*High School teachers training and retraining are considered in this paper taking into account different ways of such types of training using in Moscow State Automobile and Roads Construction Technical University (MADI). Young teachers training and experienced teachers retraining during their qualification increasing process is done according the programs that have been developed and recommended by Internation Society of Engineering Pedagogy*

Keywords: high School teachers training; teachers retraining; engineering pedagogy; lifelong learning; work with projects; new generation of state standards for high school; self-organized learning; creative learning and teaching; work inside of team

**Fadeeva V. Dembrov V.**

***Application of technological innovation in education***

*In the article the modern approaches to the introduction of information as a means of studying cognitive activity, which means that the emergence of new forms of cognitive, mnemonic, and creative activities can be regarded as significant development of psychological and educational processes in higher education law enforcement agencies*

Keywords: pedagogy; modernization; psychic phenomenon; innovation; expertise; systems; information technology; learning environment; a graduate of the development

**Gerasimov A.**

***The role of civilian shipbuilding in the world market new building***

*The role of modern civil shipbuilding, as one of few specific branches in the international market of a new shipbuilding is studied. The analysis of the major tactical factors influencing supply and demand in the world market of civil shipbuilding is carried out. Input about recurrence of the world market of civil shipbuilding is made; the assessment is given to the current provision of a commercial new shipbuilding and its forecast till 2015.*

Keywords: the civil shipbuilding; Organization for Economic; Cooperation and Development; demand; supply; cycles

**Kornev K., Korneva I., Sinyavskiy N.**

***The differentiated approach to teaching of physics in BFSSA***

*The differentiated approach to teaching of physics in BFSSA is described in the article.*

Keywords: physics practical work; radiation background

**Usatova V., Rudenko A.**

***The elements of the operational calculus in solving differential equations***

*The solution of differential equations by methods of operational calculus*

Keywords: differential equations; operational calculus

**Kuznecova N.**

***The fundamental mathematical component as the basis simulation in professional education***

*Presented reporters' questions of fundamental mathematical training necessary to implement the mathematical models that meet the requirement of professional competencies of marine specialists.*

Keywords: basic training; competence; mathematical statistical models

**Korneva I.**

***Applied mathematics of the fundamental orientation of modern economics in a market economy***

*We consider an innovative approach to improving the quality of teaching in higher mathematics students of economic specialties, proved its relevance and necessity.*

Keywords: training; fundamental mathematical training; educational issues; higher mathematics; mathematical model; manager; marketer; financier

**Ishchenko V., Sazonova Z., Matveeva E.**

***The experience of the formation and assessment of the professional competencies of university students in the process of studying technical disciplines***

*In the present paper we discuss the experience of using the electronic study-methodological complex as a modern didactical means of forming and monitoring the development of professionally significant competencies of students in the process of mastering technical disciplines. We consider the point-rating system of assessment of the levels of the competencies formed during the study of various disciplines of the main curriculum of professional preparation in a technical university*

Keywords: professional preparation in a technical university; electronic study-methodological complex; competencies; point-rating system of quality assessment; monitoring

**Vetrov I.**

***Methodology of intensive informatizirovanny training for preparation of sea radio experts***

*In article ways of use of possibilities of intensive informatizirovanny training in sea educational institutions for improvement of quality of preparation of sea radio experts and experts in the information security, maintaining the ship automated information systems are offered*

Keywords: the ship automated information systems; training information; a training intensification

**Vavilova L.**

***Informatization of Education in -as a way to improve training of marine specialists as a way to improve training of marine specialists***

The aspects of improving the training of specialists in the maritime aspect of the computerization of education, which is defined as a continuous process of learning and personal development, aiming at the formation of scientific and practical knowledge, skills, values of providing a certain level of professional identity

Keywords: professional development; professional self-determination; professional identity

**Menshikov V., Ershov V., Lokhov S.**

***Dynamics of navigational accident within theory of dissipative structures***

*The description of the dynamics of navigational accidents, based on an element in the theory of dissipative systems, in the form of directional changes*

Keywords: dynamics; navigation event; the theory of dissipative structures

**Kuznetsov E.**

***The essence of the willingness of engineers - managers of transport to the solution of environmental problems as a professional goal of vocational education***

*Substantiates the formation of engineers ready for transport organization and management of water transport to the solution of professional environmental problems. Considered important ecologically significant professional quality engineer for the organization of traffic and transport management in key areas of personality*

Keywords: environmental education; water transport; professional environmental objectives; organization of transport; the concept of pedagogy personality

**Grigoriev A., Fadeeva V., Kuryshev V.,**

***Theoretical aspects of formation of professional stability of future experts in social work with the condemned means of interactive technologies***

*In this article professional stability of the identity of the expert in social work with the condemned is considered*

Keywords: pedagogic; competence; professional education; formation; right; adaptation; personality; technologies

**Balyko S.**

***Modeling of the individual military specialist in the formation of his commanding qualities***

*They Are Considered approaches to the formation of the commanding officer's the qualities of a military specialist in the process of its preparation.*

Keywords: personality; military expert; the process of the education; knowledge; the quality of the individual; direction

**Fadeev A.**

***Scientific judgment of the problem of formation of social and professional competence of cadets in specialized higher education institutions with active application of means, forms and methods of physical culture***

*In this article various aspects of physical culture as it, along with culture as a whole, is urged to form comprehensively developed personality, the main subject and object of socio-historical process are considered*

Keywords: pedagogic; competence; professional education; expert; physical culture; quality; personality; efficiency; structure

**Burdilov A.**

***Information and Communication System the educational process***

*They are considered modern trends to informatizations of the educational sphere and their influence upon preparing the sea engineer.*

Keywords: information; educational technologies; formation; trained; the process of the education; knowledge; system

**Kozlyakov K.**

***The dynamics of educational and professional motivation students***

*We describe the basic processes of the formation of educational and professional motivation of students. Revealed the value of training and professional motivation, we describe the dynamics of the causes of educational and professional motivation in different learning courses high school. The paper compares the results of teaching and professional motivation of students in different periods of training. The basic problems of students, describing the dynamics of teaching and professional motivation.*

Keywords: motive; motivation; training and professional motivation; the dynamics of teaching and professional motivation

**Stupina L.G.**

***The use of Web 2.0 services in teaching modern languages as a form of independent learning.***

*The article explores the question of organizing students' independent learning with the help of Web 2.0 services as a form that helps to develop foreign language professional communicative competence of marine specialists*

Keywords: Web 2.0 services; foreign language professional communicative competence; independent learning; marine specialists

**Sukhamlinova E.**

***The use of modern psychological and educational technology specialists in training rehabilitation of cancer patients***

*This article represents the possibility of the dance movement therapy and yoga classes' usage as a psychotherapeutic method in the complex of antitumor activities in the rehabilitation of female cancer patients. Reflections, estimates and conclusions presented below are based on the existing dancing and impellent therapy groups and international yoga experience.*

Keywords: rehabilitation; oncology; dancing and impellent therapy; yoga

**Kornev S.**

***The problems of transition from functional to process enterprise Management***

*The problems that arise during the transition from functional to process-management company, their solutions, an algorithm for the development of business processes*

Key words: a process approach; business process automation; value chain; the matrix of processes; model; information technology

**Goncharova S.,**

***Health saving educational technologies in practice of preschool institution work***

*There are considered modern approaches to the identity of the preschool child health saving, and also feature of health saving educational technologies usage in practice of preschool educational institution work*

Keywords: health; healthy lifestyle; health-behavior; school health education technologies

**Munits M.**

***The competence of parents as a socio-psychological phenomenon***

*There is to explain importance of research competence of parents in the article. We analyz parental's competence like a socio-psychological phenomenon. We discussion components of psychological competence of parents who have children with psychosomatic disorders.*

Keywords: parental psychological competence; components of psychological competence of parents

**Bichan N.**

***The theoretical and methodological justification of process of formation of bases of professional and legal culture at future experts of helping professions***

*In this article various aspects of a problem of legal training and its role in formation of professional and legal culture at future experts of helping professions in the course of their vocational training are considered.*

Keywords: pedagogic; competence; professional education; formation; culture; right; personality; efficiency; structure