

Pedagogical Sciences

A.A. Gadetskikh, I.E. Plotnikova

Specificity and Structure of Professional Adaptation of People with Disabilities Employed in the Ministry of Emergency Situations of Russia

Key words and phrases: adaptation; disadaptation; professional identity; professional reflection; professional transformation.

Abstract: This article describes the main features of adaptation of people with disabilities in the workplace of Ministry of Emergency Situations. It is significant that at the beginning of work in the selected job a person with disabilities experiences a number of problems associated with the adaptation to the workplace. This period is difficult for any new employee, but for a person with disabilities it can be associated with a significantly large number of problems, both internal and external. The process of adaptation to the workplace of people with disabilities takes place sequentially in several steps. We have marked the stages of adaptation in the workplace, such as disadaptation, professional identity, professional transformation, and professional reflection. These steps correspond to the stages of professional training.

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Gulieva Ellada Fuad kyzy

Distance Learning Technologies (Developing Learning Resources for Distance Training)

Key words and phrases: course design; course of teaching; distance learning; educational technology.

Abstract: The paper studies distance learning technologies in teaching and pedagogic design of resources for distance learning technologies. The process of creating learning resources is seen as a way of development and transformation of the educational environment.

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N.A. Korbukova, E.G. Podkopaeva, A.A. Serdyukov, N.N. Karelina, I.V. Shelegin, R.V. Shupeiko Sports and Mass Work as Continuous Social Experiment in the Development of the Nation

Key words and phrases: improvement of quality; rating system; valuable potential of physical culture.

Abstract: The article considers sports and mass work with university students of as a way of developing educational, patriotic, communicative functions of students.

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S.V. Molodenova

Features of the Dynamics of Self-Image of Adolescent Students

Key words and phrases: adolescents; behavioral component; cognitive component; emotional component; self-image.

Abstract: The paper studies the features of self-image of adolescent students. The main components of adolescents' self-image were studied. The self-image is formed through the process of joint activities with other people and the process of communication with them. The created self-image is the result of continuous comparison of what one observes in oneself to what they see in other people.

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Zh.V. Smirnova, L.I. Kutepova

Improvement of Specialist Training in Municipal Housing and Communal Services in Professional Education System

Key words and phrases: formation of competences; improvement of training process; innovation site; municipal housing and communal services; service sphere.

Abstract: The article describes the experience of specialist training in municipal housing and communal services at Kozma Minin Nizhny Novgorod State Pedagogical University within the framework of the federal youth project "Everybody is at home".

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Yu.M. Tikhomirova

Methodology of Empirical Study of Penal System Workers' Psychological Readiness for Applying Innovative Technologies in their Professional Work

Key words and phrases: empirical research; methodology; penal system workers; psychological readiness for professional activity.

Abstract: This paper contains a phased methodological approach to the empirical research of

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psychological readiness of penal system workers for applying innovative technologies in their professional activity. It is proposed to construct the «Matrix methods» on the topic.

Cultural Studies

V.K. Asafyeva

Genesis of the Concept of Alienation in the Western Philosophical Tradition of the Non-Classical Period: Nietzsche's Influence

Key words and phrases: alienation; culture; life philosophy; non-classical philosophy.

Abstract: The article is devoted to the analysis of Nietzsche's influence on the genesis of a problem of alienation in a creative heritage of a number of thinkers of 19th and 20th centuries; the study is important for understanding of the problem in the history of philosophical thought.

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D.A. Brazhnikov

Legal Socialization of an Individual in the Period of Social Transformations

Key words and phrases: legal socialization; norms; socialization; social relations; society; values.

Abstract: The article is devoted to the phenomenon of legal socialization. It also analyzes the concept of law, the functions of law, and the basic ways of legal socialization. It is noted that social transformation of the society results in a real threat of reducing the effectiveness of legal socialization of an individual.

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Linguistics

V.E. Allakhverdieva

The Global Nature of Modern Politics and Stylistic Peculiarity of Modern Political Text

Key words and phrases: connotation; discourse; invective; politics; style; text.

Abstract: The article deals with the peculiarities of the language of contemporary political discourse. Discourse is viewed as a global unit in relation to the text; therefore, it consists of political texts. Despite the diversity of discourse as a text association, there are features that characterize it as a whole. These features particularly prominently represented in comparison to political texts in previous years. A characteristic feature of contemporary political discourse is not only permissibility, but also the widespread introduction of invective and general decrease in the style.

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S.G. Vinogradova

Cognitive Interpretation of Sentence Perspective in the Concept of Communicative Dynamism of J. Firbas

Key words and phrases: cognitive; communicative sentence perspective; composite sentence; J. Firbas; simple sentence.

Abstract: The author presents J. Firbas's idea of communicative sentence perspective viewed through the prism of cognitive linguistics. The principle of boundaries flexibility in information distribution, the process of metainterpretation, perspectivization and figure-background distribution as cognitive operations, mental spaces features, and conceptual hierarchy of sentence components are considered.

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O.N. Godovanaya

Language Barriers in Foreign Languages Learning

Key words and phrases: language barriers; language barriers classification; lingua-cultural difficulties; linguistic capacities; obstacles in classroom setting; socio-psychological difficulties.

Abstract: The article describes the main concepts of the language barriers. Despite the fact the notion has broadly been used in a foreign language learning context, it still lacks a precise scientific definition. Numerous approaches to the classification of barriers in foreign language communication have been reviewed and language barriers have been differentiated. The paper also focuses on special linguistic capacities necessary for successful foreign language learning and main obstacles in a classroom setting leading to language barriers.

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V.Yu. Kryavkin

Functions of Grand Style Idioms in German Publicist Discourse

Key words and phrases: aesthetic function; communicative/informing function; emotive function; euphemistic function; grand style idioms; intellectual idioms; poetic idioms; publicist discourse.

Abstract: The paper describes several functions of grand style idioms in German publicist discourse. The main purpose of this research is to describe the use of this kind of idioms in publicist writing. The main conclusion of this research paper is that grand style idioms can fulfill the emotive function as well as the emotive-evaluative, euphemistic and communicative/informing functions. The scientific novelty of the paper is based on the lack of previous study of the use of grand style idioms in written and oral speech.

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Sasan Ardeshir Gazanfar, Hussein Omidi Rad

The Analysis of the Thematic Group “Food” in the Bakhtiyari Qal’eh-Ye Tul Dialect

Key words and phrases: Bakhtiyari dialect; food; lexicon; Persian Language; thematic group.

Abstract: The author analyzes the lexical units “food” in the lexicon of Bakhtiyari Qal’eh-ye Tul dialect (Khuzestan), collected from various dictionaries and recorded in the course of conversations with native speakers. The relevance of the study is that Bakhtiyari Qal’eh-ye Tul dialect is part of the linguistic culture of the people. The study of language dialects makes it possible to trace the household and cultural history of the ancestors, to determine the distribution of the lexemes, their frequency, and the relationship of the dialect with the literary language. The author notes that the collection, analysis and storage of the lexical units of dialects and sub-dialects of Persian language allow us to trace the history of culture and life of the local people and to determine the extent of the dialect popularization. In Bahtiyari Qal’eh-ye Tul dialect the author identified the lexical units of Persian origin; this helps to enrich the dialects of the Iranian languages. Attention is drawn to the fact that under the influence of Persian language the lexicon of Bahtiyari Qal’eh-ye Tul dialect and the lexical composition of other dialects have changed; the dialect lexicon has been enriched with normative lexicon of Persian.

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Computer Science, Computer Facilities and Management

Mazkhar Dzhan

Improvements of LTE Parameters in Case of Big Cities in Russia

Key words and phrases: LTE Advanced; network optimizations; VoLTE; Wi-Fi calling.

Abstract: Despite the rapid development of LTE networks in Russia, they are not used in an optimal way. By using carrier aggregation, Wi-Fi calling and 1800 MHz replacement from 2G for LTE, main parameters of network quality can be increased without huge investment.

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V.A. Nifontov

Organizational Leadership in the Context of the Theory of Management

Key words and phrases: leadership potential; management style; managerial; personal qualities; professional quality.

Abstract: The paper characterizes the leadership potential of the management team depending on its qualitative characteristics; the degree of professionalism of managers is analyzed, the system of official interactions within the team is considered, the results of sociological research are given.

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A.A. Sokolov, A.S. Miroshnikov

Development of the System for Monitoring, Analysis and Processing of Information about Anthropogenic Pollution of the Republic Northern Ossetia – Alanya

Key words and phrases: algorithms for analysis and information processing; anthropogenic pollution; mathematical model; software; system of monitoring.

Abstract: The paper describes the results of the study on the development of the system for monitoring, analysis and processing of information about anthropogenic pollution of the Republic of North Ossetia – Alania. The principle of the organization of the structure of the system, including interrelation of operation of main units is shown, and also the method of optimization of necessary volume of information streams sufficient for the analysis and information processing on all objects of anthropogenic pollution, taking into account the changing parameters is considered. On the basis of the proposed mathematical model the economic efficiency of the developed system

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is calculated; it showed that introduction of the system of monitoring, analysis and processing of information about anthropogenic pollution is cost effective and expedient. At the end of the study the efficiency of the proposed system and its close analogs was evaluated; it showed the undoubted advantage of the author's model.

V.S. Somihin

Analysis of the Influence of Physical Environmental Factors on the Reliability and Accuracy of Measurement of Mass Concentration of Beta Dust Meters

Key words and phrases: mass concentration; particulate pollutants; radioisotope dust meter.

Abstract: The article describes the radioisotope technique of measuring the mass concentration of dust in the air. The simulation study of various factors influencing the measurement results of the particulate pollutants mass concentration is carried out. It is shown that when the temperature inside the device, as well as the air pressure changes, the density of the air in the space between the radiation source and detector can vary.

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K.A. Trukhanov, M.V. Ryabinin

A Method of Determining Fluid Rheological Characteristics Using a Rotational Viscosimeter

Key words and phrases: fluid rheological model; rheological properties; rotational viscosimeter; tool for viscosity measuring; shear stress; shear rate.

Abstract: The paper describes the method of determining rheological properties of liquids of k – measures of liquid body and n – characteristic of the degree of non-Newtonian behavior of the material; the method and mathematical apparatus for their determination were developed. Also the established measurement system for rotary coaxial-cylinder viscosimeter is described; it allows measuring the shear stress τ , occurring in the liquid on the rate of shear strain $\dot{\gamma}$. The results were verified and appropriate conclusions were made. Scientific novelty of the work was the solution of the urgent problem, which has a considerable importance for the mechanical engineering industry; namely, a method for determining rheological properties of liquids was created, and the criterion for the applicability of the established measurement system to assess the value of the laminar boundary sublayer and rotor speed was formulated.

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Economic Sciences

V.V. Dushchenko

On Walras' Theory and Modern Concepts of Economic Equilibrium

Key words and phrases: economic models; general equilibrium theory; macroeconomics; scientific methodology; Walras' Law.

Abstract: The article describes the eight most important provisions, which show small realism of modern general equilibrium theory as well as its contradictions with the initial concept of Walras.

The author concludes that modern economic theory (general equilibrium theory in particular) based on the above assumptions is not always adequate to reality. Its practical application is rather arguable, though, in terms of mathematical apparatus developed and used, its creators inspire respect.

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N.M. Ivanova

Current State and Prospects of Energy Cooperation Development between Russia and Middle East

Key words and phrases: Bashneft; energy cooperation; Gazprom; Iran; Iraq; joint Russian – Arabian projects in the oil-gas sector; Lukoil; Middle East; prospects of energy cooperation between Russia and Middle East countries; Stroytransgas; Zarubezhneft.

Abstract: The Middle East is in the sphere of strategic interests of Russia, the region has significant energy resources reserves, top oil and gas producing countries are concentrated in the region. Current changes on the global energy markets significantly influence the development of energy cooperation between Russia and the various regions of the world, including the Middle East.

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The article describes recent trends in the energy cooperation between Russia and the Middle East region, analyzes the current state of energy cooperation between Russia and principal Middle East countries (Iran, Iraq) (including the implementation of major joint projects in the oil and gas field), and considers the prospects of its future development.

E.I. Kulikova

The Development of Market Instruments to Intensify the Investment Activity in the Region

Key words and phrases: infrastructure; investment resources; regional market; regional socio-economic system; social subsystem.

Abstract: The author compares the methods of economic self-defence of regions on the basis of market and non-market mechanisms and justifies the need for a system of regulation of the regional market for a stable investment attraction.

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S.O. Medvedev, Yu.A. Bezrukikh

Research into Operation Processes of Timber Industry Enterprises

Key words and phrases: efficiency; management; processes; timber industry enterprise; wood resources.

Abstract: The main aspects of research into the operation processes of timber industry enterprises are discussed in the article; the main processes have been identified. The results indicate the need for the serious analysis and specification of the processes at some enterprises of the industry; the effective management of these processes can improve the company performance significantly.

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I.A. Naugolnova

Bases of Forming Organizational and Economic Mechanisms Reduce the Cost of Industrial Enterprises

Key words and phrases: lean manufacturing; mechanism to reduce costs; organizational and economic mechanism.

Abstract: Competitive products and the company as a whole is largely determined by the level of costs.

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The leading companies of the world, working on reducing costs, has for decades used the principles and tools of lean manufacturing. In our opinion, their adaptation to Russian conditions and the addition should be the basis of organizational and economic mechanisms to reduce costs.

E.V. Romanenko

The Factors Influencing the Development of Organization Financial Strategy

Key words and phrases: factors; financial strategy; influence; organization.

Abstract: The article deals with the main factors influencing the development of organization financial strategy. It was determined that without the influence of these factors it is impossible to develop an effective financial strategy.

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M.E. Chudaev, N.A. Karmaev

Ownership: the Issue of Stimulating Function

Key words and phrases: motivation of the owner; ownership; social side of the stimulating function of ownership; stimulating function of ownership.

Abstract: The paper analyzes the stimulating function of ownership. The economic and social sides of the stimulating function were highlighted. The significance of the social side in relation to the implementation of the stimulating function of ownership in the process of historical development of society was determined.

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A.E. Shamin, O.A. Frolova

Improvement of the Process of Commercialization of Technological Innovative Products

Key words and phrases: commercialization; commercialization problems; industrial enterprises; innovative activity; technological innovations.

Abstract: The paper describes the prerequisites of improvement of the efficiency of commercialization of innovations; some weaknesses in the organization of innovative processes at industrial enterprises were identified; the model of relationship of industrial enterprises with the organizations involved in research and development was proposed.

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Biological Sciences

A.V. Semenyutina, S.M. Kostyukov

Evaluating the Impact of Seed Propagation of Shrubs and Prospects of their Use for Landscaping of Urban Arid Region

Key words and phrases: biodiversity; decorative; flowering; fruiting; greenery; seed propagation; shrubs.

Abstract: The article assesses the effectiveness of seed propagation of shrubs in arid conditions by studying the characteristics of flowering and fruiting. The data on the purity of seeds of different species are given; the features of irrigation when growing planting stock are considered. Drought-tolerant young plants (*Cotoneaster lucidus* and *Rosa beggerana*) are capable growing in the irrigation norms up to 1 800 m³/ha, less drought-resistant plants (*Ligustrum vulgare* and *Symphoricarpos albus*) require 2 200 m³/ha irrigation norms, hygrophilous plants (*Campsis radicans*) need 2 400 m³/ha per season. The perspective use of shrubs in landscape planting in the arid region given the specificity of their growth, resistance to drought and frost, manifestations of decorative properties is justified, the principles of selection of promising species for planting are developed

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Architecture and Construction

N.N. Shesterneva

Questions of Training of Urban Planners of Higher Qualification

Key words and phrases: higher qualification of engineering staff; urban planner; urban planning education.

Abstract: The article briefly summarizes the existing problems in modernization of Russian urban planning education related to training of specialists of higher qualification. The author allocated the structure of urban planning education independent from the architectural and engineering education.

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Legal Science

G.A. Pervushin

Some Issues of Civil Liability for Corruption in Russia

Key words and phrases: civil remedies to combat corruption; Convention on civil liability for corruption; corruption.

Abstract: The article considers the need for the development of civil remedies of combating corruption; a conclusion about the necessity of involvement in the fight against corruption of both criminal law but and other branches of law was drawn. The article also touches upon the question about the possibility of Russia's accession to the Convention on civil liability for corruption adopted by the Committee of Ministers of the Council of Europe in Strasbourg.

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Political Science

S.I. Grachev, A.S. Aksyanov

Sport as a Manipulator of International Political Decisions

Key words and phrases: political process; political technologies; politics; sport; sport organizations.

Abstract: The article analyses the facts of using sports organizations of international and domestic level in the political process. The author hypothesizes that the institutions of sport act as an instrument of influence, a tool of manipulation and leverage of influence for society and political processes. This research allows to establish the interactions of politics and sports, to identify a number of problems within the given domain, in particular, security, international cooperation, dissemination of all sorts of discrimination and to trace the mechanisms of influence on the political processes of the state and society.

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E.A. Pakhomova, R.V. Bugrov, A.A. Fomenkov

On the Problem of Differences in the Interpretation of the Ethical Concept of Liberalism

Key words and phrases: Ch. Darwin; D.S. Mill; ethics; J. Bentham; liberalism; Nietzsche; social Darwinism; Spencer.

Abstract: This article focuses on the liberal ethical thought. Its relationship with social Darwinism and other concepts is described. The specificity of the Russian liberal ethical thought is grounded.

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Materials for Discussion

Yu.Yu. Kalinina

The Analysis of the Development of the Railway Infrastructure of the Far East Region

Key words and phrases: carrying capacity; integration; length of station tracks; longitudinal profile path; one-way stage; partial schedule of trains; weight of train.

Abstract: The paper briefly analyzes the state and prospects of the development of operation points and single track running lines of the Eastern range of Baikal- Amur Mainline. The problems of the development of the regional transport infrastructure in the conditions of development of continually increasing volumes of cargo were examined. The problems arising from the necessity to transport the projected volumes of cargo along the regional railroad were identified.

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