

Pedagogical Sciences

N.V. Avanesyan

The Structure of Methodological Competence for Bachelor in Education

Key words and phrases: creative independence; methodological competence; methodological culture; methodological knowledge; methodological thinking; methodological work; professional competence; professional growth.

Abstract: The paper describes the changes that occur in education of the Russian Federation at the present stage of development, placing new demands on the educational process in higher educational institutions of Russia, reflecting the need for teachers with high level of practical skills and theoretical knowledge, motivated for professional growth. In this regard, the problem of teachers' competence is becoming more acute, with the emphasis put on methodological competence. The structure of methodical competence of Bachelor in Education is described. Personal qualities are an important precondition for the development and formation of the methodological competence of a teacher.

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V.L. Efimova, M.A. Nejman

Rhythmical Training in the Pedagogical Support for Children with Learning Difficulties

Key words and phrases: dysgraphia; dyslexia; learning difficulties; learning disabilities; multidisciplinary approach; neuroacoustic training; rhythmical training; prevention of learning disabilities.

Abstract: The article presents the theoretical background and the methodology of rhythmical training for elementary school pupils with learning difficulties. The proposed method is integrated with the inTime and the Interactive Metronome programs, developed by a multidisciplinary team of specialists of the "Logoprognoz" center, and can be used for learning-teaching support of this group of pupils during after-school activities.

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L.N. Zafir

The Influence of Studying Humanities on the Quality of Graduation Qualification Paper Preparation

Key words and phrases: attitude of graduates to the defence of thesis; general cultural competences; graduation qualification paper; uniformity of requirements to the individual work of students.

Abstract: In the article it is shown how forming of general cultural competences in the course of studying humanities influences the quality of graduation qualification paper preparation. The psychological state of graduates and their attitude to the forthcoming defence have been analyzed.

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O.S. Zorina

Methodological Approaches to the Creation of the Model of Formation of Communicative Competences in Bachelors of Engineering Using Interactive Teaching Methods

Key words and phrases: communicative competences; engineering education; interactive teaching methods; methodological approaches; model of formation of communicative competences.

Abstract: The article reveals methodological approaches to the model of formation of communicative competences of future engineers using interactive teaching methods. The authors considered the following methodological approaches: competence-based, communicative, activity-based, context-based, anthropological, culturological and project approaches.

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G.V. Ioyleva

The Specifics of Intellectual Processes in Cognitive Reality

Key words and phrases: activity; consciousness; intellect; knowledge; mind.

Abstract: Intellectual processes can be divided into the following groups: 1) processes of generating mental and sensory images and their combinations; 2) processes of operating the objective world models in order to identify new object properties and relationships, their structure analysis and behavior prediction; 3) processes of goal setting and planning to achieve goals, decision making, foresight and changing the activities undertaken. They are operating in a mental form as ideal, that is, in a person's consciousness. Consciousness is not a substance phenomenon

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but a process one. Thinking, as a fundamental basis of consciousness, represents interaction of a thinking person both with tangible reality and knowledge system developed in the society and objectified in the word. Knowledge acquisition and thinking development are a dialectical process where a cause and effect constantly change places. Every act of acquiring knowledge implies the relevant advanced level of thinking (intellect) as an internal prerequisite and leads to creating new internal conditions to acquire further knowledge.

G.A. Fatkhullina

Problems of Perception of Classical Folk Music in Kindergarten

Key words and phrases: classical national music; national composer; national perception of classical music; preschool age; program.

Abstract: In this paper the problem of educating young learners is exemplified by the perception of classical folk music by older preschoolers. Educating senior preschool children from the perspective of national spiritual and moral values can prevent possible alienation of children from local and national ideals.

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Bai Yuewei

Empirical Analysis of Area Crew Speciality Graduates' Professional Identity Status

Key words and phrases: area crew; professional identity; psychology; specialized subject.
Abstract: The study of graduates' job satisfaction, emotional feeling, sense of achievement etc. was aimed to verify the effectiveness of their training and improve the area crew speciality students' training plan. The methods included Life Quality List, Working Satisfaction Questionnaire, Living Satisfaction Questionnaire to survey 300 graduates in 2013 class of Civil Aviation University of China (CAUC). The results were as follows: the total score of job satisfaction was 68.5132 ± 12.11497 , with the difference ($p < 0.05$) on various levels of accomplishment, negative emotion and work attitude depending on gender, political status, income and so on. It was concluded that 1) pre-job training is required to enhance trainees' professional identity; 2) training must be consolidated; 3) assessment system enhances graduates' professional identity; 4) it is important to provide support to students in self-regulation of negative emotion.

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Cultural Studies

A.A. Kachanov

Nations of the Stavropol Region during the First World War (from 1914 to 1918)

Key words and phrases: agriculture; charity; education; fight against inflation; health; Stavropol province.

Abstract: This article examines the socio-economic development of the Stavropol province during the First World War. The author shows the involvement of residents of the Stavropol region in the battles. The work of local medical workers to help sick and wounded soldiers is analyzed. Local residents made a significant contribution to the organization of medical care, support for families of mobilized and refugees. The impact of war on agriculture in the Stavropol province is examined. The work of local authorities in the social sphere is studied.

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N.V. Kipriyanova

Charity as an Element of the Sociocultural Characteristic of Merchants at the End of 18th – the First Half of the 19th Centuries

Key words and phrases: Christian mercy; charity; social responsibility; sociocultural characteristic.

Abstract: In the article, the participation of merchants in charity is considered. This issue is controversial in the historiography, as merchants had always been focused on making profits, and they could even use dishonest ways. Helping people in need without gaining any benefits was not typical of them and their goals. Participation in charity was an indicator of an increased social responsibility.

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M.A. Kislyakova

Charity Work in Modern Russian Society

Key words and phrases: charity; charities; social transformation; support to the community.

Abstract: The article covers the basics of the charity work in the Russian Federation at the present stage of the society development; charity work is perceived as one of the elements of social support to the population on the legal basis. The author considered the concepts of charity work in modern Russia and its functions that significantly influence the elimination of social imbalance of the society. The norms regulating charity work in the RF were described. The behavior of companies from a moral perspective was considered. The questions of charity were examined. The most common types charity in Russia, the objects of charity and average age of Russians involved in charity work were identified. The motivation of individuals and organizations to engage in charity work was revealed. The major charitable foundations of the Russian Federation were analyzed. The role of charities in Russia was discussed; the social responsibility of businesses was defined; the principles of charity were revealed, the basic participants of charity care in the Russian Federation were identified. The scope of charity work was determined. The statistics of the principles of charity both among the population and business community was analyzed. The role of charities and religious organizations in the Russian Federation was discussed. The analysis of charitable activities in Russia was carried out.

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F.M. Mirzoyeva

Demographic Risks of the Southern Russian Villages (Case Study of Kabardino-Balkaria Republic)

Key words and phrases: age and gender structure of the population; demographic processes; labor force; migration processes; multi-ethnic population; settlement system; territory.

Abstract: The paper discusses the problems of the Russian villages. Favorable climatic conditions, the relative development of infrastructure, ancient traditions of agriculture, large settlement and composition of the population of the territory have positive effect on the rural areas. However, there is no doubt that in the short term, the problem of sustainable development of all rural areas will become one of the most acute in our country. Such a disappointing conclusion occurs after the analysis of demographic and socio-economic situation in the rural areas of the South of Russia. The author concludes that a joint task of the government, science and business is to develop measures and relevant procedures aimed at socio-economic improvement of the rural areas.

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S.A. Solntseva

The System of Managing Television in Sociocultural Aspect of the Emerging Information Society

Key words and phrases: mass communication; new actors of management; social institute; social organization; sociocultural aspect; structure of organization; television.

Abstract: The author reviewed the mechanisms of social structuring and reproduction; the system of organizations which define the activity of television media was analyzed; factors of television social coverage were discussed.

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Yu.N. Khoroshkin, A.A. Filobok, T.A. Volkova, Yu.I. Karpova

Territorial Organization of Collective and Individual Accommodation Facilities in Israel

Key words and phrases: accommodation; cluster; hotels; Israel; territorial organization.

Abstract: The subject of research is territorial organization of accommodation facilities in Israel. The topicality of the research is explained by the understanding of the specifics of the tourist center that allows for quality planning of the accommodation facilities with regard to the current needs of tourists, and as a result, it has an influence on the increase in the tourist flow.

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Linguistics

U.N. Dzhafarova

The Semantics of Space in the Azerbaijani Paremiology

Key words and phrases: activation; concept; home; mentality; periphery; space.

Abstract: The article deals with the Azerbaijani paremiology with a common spatial meaning. The focus is on the proverbs with the concept of home. It is noted that in the structure of each of

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the proverbs the meaning of home is represented by one feature of the concept. The analysis of all the proverbs with this concept allows us to speak about its meaning in the Azerbaijani paremiology. The system of proverbs of the Azerbaijani language found such features of the concept of home as “holiness”, “heredity”, “isolation”, “security”, etc.

I.R. Ignatchenko

The Degree of Absurdity in Humorous Discourse

Key words and phrases: abnormality of frame; absurdity of frame; absurdity of situation; degree of frame absurdity; means of absurdization; reality of frame.

Abstract: This article describes the mechanisms of the humorous frame absurdization. The differences of the notions “absurdity of frame” and “absurdity of situation” were discussed. The examples of the humorous frame and comic situation are considered. The scale to illustrate the degree of absurdity was offered.

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K.I. Chichkina

Artistic Parallels in the Works of I.S. Shmelev and A.N. Kotov: the Idea of Transformation by Love

Key words and phrases: Aleksey Kotov; female characters; idea of transformation by love; Ivan Shmelev; spiritual beauty.

Abstract: This article is devoted to the philosophical reflection on artistic parallels in the works of the Russian writers – A.N. Kotov and I.S. Shmelev. The immigrant writer I.S. Shmelev in his novel “Way of Heaven” in the image of the protagonist Darinka concludes the highest beauty of spirit, violent faith in Christ. It took him many years to create the image of his favorite heroine that absorbed the purest feelings the writer himself experienced throughout his life. His faith in God and a great love for his wife Olga Alexandrovna were expressed in this character. Female characters of A.N. Kotov’s prose appear in the background. The writer focuses directly on changes in the characters, reflects on their inner world and their fears. But they all found comfort, and thereby were transformed thanks to the woman. A.N. Kotov managed to portray an ideal woman as a secondary heroine. The reader creates this image by changes occurring in male characters. The author portrayed female characters in dull colors leaving it to the readers to reflect on the image of his heroines.

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Computer Science, Computer Facilities and Management

I.N. Blok, V.G. Sekaev

Development, Research and Adaptation of the Method of the Particles’ Swarm in Discrete Optimization Problems of Scheduling Theory

Key words and phrases: adaptation; discrete optimization; multistage systems; NFL-theorem; optimal schedule; particle swarm method; scheduling; selection of parameters; swarm intelligence.

Abstract: The problem of calendar scheduling on job-shop type production has been considered. This task is NP-complete when the number of machines more than two. It means that the problems of this class are unsolvable with the dimension of real life tasks. That is why they often refuse to find the exact solution to solve this problem. Instead of this the search of solution is produced as close as possible to the optimum. The analysis of a particle swarm method has been carried out. The method of adaptation of algorithm parameters to the conditions of each specific task has been offered.

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N.A. Kuzmina, T.A. Odudenko

Current Condition of Transport Safety in Railway Transport Facilities

Key words and phrases: act of unlawful inter-ference; terrorism; transport network; transport safety.

Abstract: The paper deals with the state and maintenance of transport safety in railway transport facilities. The statistics on unlawful interference in the rail network was given.

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V.E. Toiskin, I.A. Yakimova, S.G. Kabanovich, A.A. Solokhin

The Markov Approach to Finding Characteristics of Information Exchange in Data

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Transmission Networks with the TCP Protocol

Key words and phrases: data transmission network; finite Markov chain (FMC); probability time characteristics; step of transition from a condition in FMC conditions; TCP protocol; time characteristics.

Abstract: In the article, the approach to modeling the process of information exchange on the TCP protocol report is discussed.

A.G. Chvertkin

Forecasting of Passable Flooded Areas by Rescue Units

Key words and phrases: capillary column; flooded area; forecasting; groundwater; rescue units.

Abstract: The article is devoted to the passable flooded areas. The author reveals the basic parameters that are necessary for forecasting for safe rescue operations. Special attention is paid to the height of humidity parameter proposed by the author. On the basis of this parameter zones of safe rescue operations are mapped. page 84-86

R.A. Yuryeva, I.I. Komarov, I.I. Viksnin

Immunological Principles of Decision-Making in Multiagent Robotic Systems

Key words and phrases: energy security; immunological principles; swarm intelligence.

Abstract: The article discusses the multiagent robotic system, which is based on immunological principles of decision-making and information processing. This methodology can be used to solve the problem of energy security in unfriendly for robotics agents environment. page 87-91

Economic Sciences

N.V. Levkin, B.M. Adaev

Russian Currency Market: Possible Causes of 2014 «Black Tuesday»

Key words and phrases: «Black Tuesday»; currency crisis.

Abstract: The paper describes the objective and subjective reasons, which led to collapse fall of the Russian ruble against the currencies of leading countries of the world on “Black Tuesday” of December, 16, 2014. page 92-96

N.Yu. Novikova

Small Farms: the Role and Development (the South of the Tyumen Region)

Key words and phrases: farms; household farms; small farms; Tyumen region.

Abstract: The author determined the role of small farms in the region. The dynamics of small farms and household farms of the Tyumen region was analyzed. page 97-100

E.M. Pakermanov, D.B. Odlis, I.R. Shegelman, A.M. Krupko

Methodology of Innovation Matrix Formation

Key words and phrases: classification; innovation; matrix innovation.

Abstract: The authors describe a method of innovation matrix formation as the development of the methodology of classification of innovations by type of innovation and sectors of the economy and social sphere. page 101-103

A.V. Romanenko

Retrospective Views on Management of Production System of a Business Entity

Key words and phrases: adaptive control; economic system; organic control type; production system.

Abstract: The author examines the development of views on the formation of relations in the economic system. The possibility of applying an organic type of management to the management of the production system of a business entity was analyzed. The application of the concept of adaptive management in the management system of a business entity was justified. page 104-106

Land Sciences

B.Kh. Al Nuairi

Ranking and Classification Shore of the Reservoir Hamrin (Iraq)

Key words and phrases: abrasion processes; accumulative processes; Hamrin reservoir; Iraq; shoreline types.

Abstract: After Hamrin reservoir was filled, its intensive processing began and the shorelines of the following types – abrasion, accumulative, neutral and manmade – were formed. Currently, the share of abrasion shoreline is about 38 %, accumulative shoreline accounts for more than 47 % neutral shoreline is more than 15 % of the length of coastline. A small proportion (less than 1 %) makes up the so-called manmade (artificial) shoreline. They are represented by sloping concrete slabs located in the eastern parts on the left of the reservoir, along the shoreline of the city Saadia.

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Biotechnology and Medicine

N.S. Chilikina, A.S. Khasaev, S.A. Abusuev

The Analysis of Heart Rate Variability and Ischemia in Patients with ‘Diabetic Heart’ under Complex Application of Angiotensin Converting Enzyme Inhibitors

Key words and phrases: angiotensin converting enzyme inhibitor; arrhythmia; coronary heart disease; type 2 diabetes.

Abstract: Data analysis of daily ECG monitoring in patients with coronary heart disease, stable angina III FK in combination with type 2 diabetes considering the therapeutic efficiency of angiotensin converting enzyme inhibitors was held. The long use of lisinopril in comparison with enalapril causes a more pronounced sustained reduction in the number and duration of ischemic episodes, particularly painless, as well as the frequency of the severe forms of arrhythmias.

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Chemical Technologies

A.A. Sikachina

The Analysis of Antibacteria Activity by Aminopolycarbonates and Aminopolyphosphonates in the Modeling System ‘Distilled Water / Toluene’

Key words and phrases: biocide; cell walls; distribution coefficient; hydrophilicity; hydrophilic lipophilic balance; hydrophobicity; sulfate-reducing bacteria.

Abstract: Using the modeling system ‘toluene/water’ the author examined the connection between the intensity of cell destruction of sulfatereducational bacteria and concentration of organic matter.

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Architecture and Construction

G.V. Stukalov

Recommendations for the General Planning of Depressed City Areas on the Example of the City of Ufa

Key words and phrases: buffer zone; depressed urban area; indicators of depressed areas; master plan; morphotype of urban space created by general plan.

Abstract: The author analyzed the inner-city depressed area by several indicators. The draft plan of the territory was developed; the introduction of the planning changes to match the indicators of the design parameters was analyzed. The possibility of using the developed method in practice was verified.

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Legal Science

A.M. Zatsepin

Problems of Law Enforcement of Additional Qualification of Crime Organization

Key words and phrases: additional qualification; crime; organizer of crime.

Abstract: The paper describes the main problems of law enforcement of additional qualification of the organization of crime in modern law enforcement practices in Russia.

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E.O. Teryukov

Procedure and Problems of Administrative Suspension of Construction Operations Caused by Violations in Construction

Key words and phrases: administrative infraction; administrative responsibility; algorithm; business entity; construction; stages; suspension; temporary injunction.

Abstract: The paper describes the views of several authors on the administrative suspension of operations caused by violations in construction; the procedure for administrative suspension of operations caused by violations in construction is discussed.

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