

Pedagogy and Psychology

E.Yu. Brykova

Assessment of Military Personnel Performance: Theoretical and Practical Aspects

Key words and phrases: coefficient of efficiency; criteria of expert evaluation; efficiency; expert evaluation; individual personality characteristics of military personnel; individual style of expert evaluation.

Abstract: The paper describes the results of development and validation of research techniques to assess the efficiency of military personnel. The author deals with the procedure of its implementation, the results obtained by the study of interrelations of external evaluation of the effectiveness of professional activity and individual personality characteristics of military personnel.

page 5-7

E.Yu. Mukina

Psychological Characteristics of Children with Disabilities

Key words and phrases: children with disabilities; emotional sphere of a child; emotional states.

Abstract: The paper considers characteristics of psychological development of children with disabilities. Such children have emotional instability, aggression, isolation, expansiveness, anxiety, tension, inability to control their emotions.

page 8-10

E.V. Fazleeva, N.V. Vasenkov, L.A. Lopatin

Raising Tolerance in Students when Preparing and Implementing Activities of Volunteer Sports Fan

Key words and phrases: multicultural environment; sport events; sport volunteer; students; tolerant behavior; volunteering; volunteer sports fan.

Abstract: Tolerance is the most topical problem in the university environment. Organization and execution of volunteer sports fan system is one of the effective modes in university operations in resolving the problem of raising tolerance. The university department of physical education and sport has elaborated and implemented a variety of activities for theoretical and practical training of sports volunteers. Goals have been stated and main direction has been chosen in operations of the university department of physical education including, the over academic subdivisions of the university, during the process of training volunteer sports fan to activities in multicultural environment and large scale sport events at different levels.

page 11-13

V.B. Hasyanov

Implementation of the Programme of Theological Media Education in the Orthodox Camp (2010–2013)

Key words and phrases: mentoring programme; Orthodox camp; theological media education; worldview of children and teenagers.

Abstract: The article issues the features of children summer camp of Irkutsk Orthodox Diocese "Rodnichki" and the history of the transition to the educational system with the use of theological media education. The author describes the activities within the framework of educational programmes, aimed at the development of younger generation worldview.

page 14-16

Ho Quang Hoa, N.V. Molotkova, L.P. Khabarova

Features of the System of Professional Development of Primary School Teachers in Vietnam

Key words and phrases: education experience of Vietnam; education reform in Vietnam; primary school teacher; professional development; teachers' education.

Abstract: In the following paper the education experience of Vietnam in professional development of primary school teachers within the framework of meeting social requirements is considered. The authors analyze different systems of education and programs and their educational outcomes.

page 17-20

Chan Thi Thuy Nga, N.V. Molotkova, L.P. Khabarova

Comprehensive Assessment of Professional Competence Development of Pre-Primary School Teachers as a Main Factor of Quality Improvement in Education (Case Study of Pedagogical Universities of Socialist Republic of Vietnam)

Key words and phrases: comprehensive assessment; level of competence development;

page 21-23

methods of teachers' assessment; pedagogical universities of Vietnam; pre-primary school teacher; professional competence.

Abstract: The paper focuses on the topical issue of professional competence development of pre-primary school teacher; the main forms of assessment are discussed. Also, the authors describe the content of comprehensive assessment of professional competence and technology of its implementation, contributing to the quality improvement in education of Vietnam and grounding of national education system.

History, Philosophy and Sociology

T.V. Efimova, E.A. Ilyinskaya

Social Institutes in the Context of Social Time

Key words and phrases: adaptation of an individual to dynamic social processes; globalization processes; institutionalized norm; social institutes; social time; universals of culture.

Abstract: The paper explores social institutes and social time as categories of binary comparison and universals of culture. Scientific novelty of the work lies in the justification of provisions that social institutions under acceleration of social time are becoming a mechanism of adaptation of an individual to dynamic social processes. The results are of interest to specialists in the field of cultural studies and sociology.

page 24-27

V.V. Kalitsky

Musical Composition: the Question of Interpretation and Performance

Key words and phrases: interpretation; musical composition; performance.

Abstract: The article considers the questions of differentiation of the terms "performance" and "interpretation" of music. The author explores cultural and philosophical view of Yu.M.

Lotman on this issue and interpretation of the concept of non-identical musical performance practices.

page 28-32

S.E. Martynova

Methodology of Modern System Approach in the Research of Municipal Society and Designing Social and Administrative Models

Key words and phrases: actors; micro- and macrosociology; multiparadigmatic character; "service" municipal management; social system; system approach; world-system.

Abstract: Characteristics of a modern sociality show the unity of contrasts. Thus, with the increase in the interdependence of components of the social system as a whole, there is the increase in isolation of a great number of actors as central figures of society. It justifies the need for the improvement of systematic approach that has traditionally been a macrosociological strategy. The article presents cases for system approach in the research of modern society, especially, municipal ones; based on the characteristics of a complex social system, although being controversial, the definition of "service" of municipal management is designed. Besides, we propose the combination model of scientism and humanitarian approaches within the controllable semi-formalized interview implemented on a large sample.

page 33-41

Electronics, Measuring Equipment, Radiotechnics and Communication

V.N. Veremey

Application of Intelligence and Signaling Devices by US Military Forces at the Present Stage of Armed Struggle

Key words and phrases: exploration; intelligence and signaling devices; station data processing.

Abstract: The article reveals the importance of using of intelligence and signaling devices as a critical part of technical means of intelligence of the U.S. forces. This paper presents an analysis of the most effective systems of intelligence and signaling devices used by the U.S. forces. The main focus of the article is placed on the possible application of intelligence and signaling devices and the ways of their installation to monitor large areas of terrain, items, paths of movement of troops, scheduled areas (borders) of remote mining, various obstacles and ferries, as well as prospective areas of disembarkation marine (air) landings.

page 42-44

A.A. Rufov, A.D. Pozdnyakov

Window Function to Reduce the Error of RMS Value of Harmonic Signal

Key words and phrases: harmonic signal; interval; methodic error; window function; RMS value.

Abstract: One of the major issues that must be addressed when assessing the RMS signal is related to the determination of measurement error. In the literature there are studies on the measurements of RMS error of simple and complex signals at various intervals and at their various parameters. In this paper, we examine the application of the basic smoothing window functions, allowing reduction in the systematic error at different time intervals.

page 45-47

Information Science

A.D. Voskresenskiy, D.A. Zholobov

Application of Massive Parallelism to Increase Productivity of Optimization Algorithms

Key words and phrases: linear programming; optimization methods; parallel calculations; simplex algorithm.

Abstract: The paper presents math package developed at the Department of System Analysis Moscow Engineering Physics Institute that allows execution of simplex method algorithms using heterogeneous computing systems that combine capabilities of the CPU and graphics accelerator installed on one PC.

page 48-51

Economic Sciences

V.N. Ambartsumyan

Application of Modern Marketing Concepts When Positioning the Russian Ruble as a Commodity

Key words and phrases: international markets; marketing; national currency; product positioning; sales; the Russian ruble.

Abstract: The modern methods of market management suggest various concepts of treatment the national currency as a commodity. The paper describes possible organizational structures of the bodies regulating the emission processes, product positioning and sales of the Russian ruble.

page 52-56

I.A. Baranova, E.A. Savinova

Peculiarities of Economic and Statistical Evaluation of Tourism in the CIS Countries

Key words and phrases: indicators of tourism operations; state statistical reporting; statistics of tourism; World tourism organization.

Abstract: The need for statistical study of tourism in the CIS countries is caused by the need for reliable information about the condition and development of tourism and an assessment of its contribution to gross internal product. Indicators of the international tourism are data sources for the development of indicators of the balance of payments and drawing up national accounts.

page 57-59

A.M. Boyarinov, Yu.A. Shaposhnikova, A.I. Guden

Prospects for Development of Supporting Framework for Social Infrastructure of the Rostov Region

Key words and phrases: innovative growth; investment development; planning structure; scientific and methodological approaches; socio-economic conditions; sustainable development; urban planning.

Abstract: The paper studies urban development in the Rostov region and proposes the main areas of investment development. On the basis of analytical studies and comparative analysis of the socio-economic development of the individual parts of the region the authors developed scientifically sound methods of urban transformation and made practical recommendations for sustainable development, management and improvement of living standards.

page 60-62

A.V. Koren, V.V. Pershina

Important Problems and Ways to improve Personal Income Tax in the Russian Federation

Key words and phrases: income taxation; personal income tax; progressive scale; tax base;

page 63-65

tax deduction; taxes.

Abstract: This article discusses the issues of personal income tax. The research allows revealing the main factors affecting the level of tax rates and the value of tax deductions for personal income tax. The article contains recommendations to optimize the system of personal income taxation on the basis of changes in the existing tax deductions and increasing socio-economic significance of the tax.

E.V. Pashkova, Yu.I. Lebedev

Internationalisation of R&D

Key words and phrases: affiliates; corporate networks; factors influencing R&D internationalization; foreign innovations; innovative product; license price; R&D internationalization; R&D localization; spillovers.

Abstract: The authors of the article study different methods of R&D internationalisation. Foreign theoretical and practical research on the given subjects has been analyzed. It is pointed out that politicians as well as scientists in developed countries express concern over the expansion of R&D internationalisation. An increase in the amount of R&D investment into developing countries has been observed. Factors influencing R&D internationalisation of US multinational corporations' affiliates are considered. Two basic groups of factors are singled out: factors linked to the amount of R&D investment, and industry specific factors.

page 66-69

E.V. Pashkova, Yu.I. Lebedev

Internationalisation and its Influence on Company Performance

Key words and phrases: assessment of international companies' performance efficiency; internationalization; measurement of the degree of internationalization; transnationalization index.

Abstract: The article looks into the internationalisation process of multinational corporations. Methods of measurement of the degree of internationalisation are analysed and classic determinants of direct foreign investment (FDI) are presented. It is pointed out that international companies develop strategies and make decisions with regard to such factors, as methods of entering the market, localisation, centralization and the form of ownership. The size of the portfolio and cultural specifics are also of importance. Assessment of companies' performance efficiency is studied in the article. Objective and subjective methods of assessment are considered.

page 70-72

V.A. Tyotushkin

Correlation of demand and the quality of the property

Key words and phrases: and operationreal; estate; demand; development; lease; management; quality; sale; supply.

Abstract: In the article special attention is paid to the problem of rising and falling of demand for real estate, as well as analysis of the quality of modern housing construction.

page 73-76

A.G. Furin

Institutional Traps of Public Control in Education

Key words and phrases: institute; institutional traps; education; social control; transaction costs.

Abstract: The paper considers the specificity of the institution of public control in education. Comparative analysis of legal foundations of education dedicated to the essence and forms of the control measures in the educational environment, helped to determine the characteristics of the institutional change in control. Based on the existing concepts and provisions of neoinstitutional theory the author defined the specificity of institutional traps of public control in education.

page 77-80

Legal Science

M.V. Kuznetsova

Sources of Law: Concept and Essence

Key words and phrases: form of law; formal source of law; law; legal literature; material source of law; opinions of experts; rules of law; source of law; system of factors; teaching material; theory of law.

Abstract: The paper focuses on the study of the concept and essence of sources of law. The author stresses that in the legal literature "the source of law" is used in two different meanings:

page 81-84

in the meaning of “a material source of law” (source of law in material sense) and in the meaning of “a formal source of law” (a source of law in formal sense). The author offers her own definition of the sources of law.

Materials for Discussion

E.N. Rodin

Analysis of Reducing Risks of Implementation Startups Due to Gaining Competitive Advantages of Innovations

Key words and phrases: competitive advantage; risk analysis; start-up; venture financing.

page 85-88

Abstract: The article is devoted to the evaluation of possible risk reduction implementation of innovative startups through a competitive advantage of the innovative product.