

Pedagogical Sciences

K.E. Amelina, E.S. Mikheenkova

The Specifics of Teaching Engineering Graphics to Master Students Majoring in Intellectual Property Management

Key words and phrases: designer documentation; drawing; engineering graphics; intellectual property management; patent science.

Abstract: Master's program 27.04.08 "Intellectual Property Management" is one of the newest programs. We share Russia's experience in forming the educational program, the importance and place of engineering graphics in the curriculum. We discuss the goal and scope of the program, the need to introduce the specified subjects into the educational program.

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I.S. Ganishina

Some Aspects of Prisoners' Drug Addiction Prevention

Key words and phrases: convicted; drug abuse; prevention of drug addiction; psychological and pedagogical technologies; strategies of educational work; primary; secondary; tertiary prevention.

Abstract: The article discusses some aspects of psycho-pedagogical, social and medical prevention of prisoners' drug abuse.

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A.A. Gribankova, O.A. Gribankov

Modern Specialist's Management Activity

Key words and phrases: informational component; general management task; Navy regulatory body; management activity; management functions.

Abstract: The article considers structural and functional elements of the management activity of naval specialists aimed at solving practical tasks in modern conditions.

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O.N. Efimova, A.N. Samsonova, I.V. Ermakova

Modern Features of Ecological Socialization of Younger Generation

Key words and phrases: ecological behavior; ecological consciousness; ecological socialization; environmental problems.

Abstract: The article explores the specifics of ecological socialization of younger generation in conditions of existing environmental problems.

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A.Z. Ibatova, L.V. Vdovichenko

Implementation of Text-Dialogic Approach to Foreign Languages Teaching in Higher Education

Key words and phrases: dialogue; personal experience; text-dialogic approach.

Abstract: This article discusses some basic concepts of text-dialogic approach, methods of implementation of this approach in foreign language teaching.

page 22-24

Ozkan Pelin

Essential Characteristics of Leisure Preferences of Schoolers

Key words and phrases: leisure; socialization; types of leisure activities; values.

Abstract: Currently, changes in the social culture of the society lead to changes in leisure preferences of schoolers. At the same time, their intrinsic characteristics that were previously known in the theory and practice of pedagogy are also amenable to transformation. Their study for educational purposes in a given time period characterized by rapid and global changes is very important. Therefore, the article examines the main factors that affect socialization of schoolers, and types of leisure activities of schoolchildren.

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A.N. Samsonova, I.V. Ermakova, O.N. Efimova

Formation of Socio-Psychological Factors of Economic Socialization of Senior Teenagers in Conditions of Educational Environment of School

Key words and phrases: economic socialization; educational environment of school; senior teenagers; socio-psychological factors.

Abstract: Socio-psychological factors of economic socialization of senior teenagers and their formation in conditions of educational environment of school are discussed.

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O.G. Syromyatnikova

The Content of the Discipline “Theory and Methods of Teaching Basic Sports: Gymnastics” for Bachelor’s Program “Physical Education of Physically Disabled People”

Key words and phrases: means of gymnastics; professional competences; readiness.

Abstract: The article explores the content of the discipline “Theory and Methods of Teaching Basic Sports: Gymnastics” for Bachelor’s program 49.03.02 “Physical Education of Physically Disabled People”. The levels of competences formed by means of gymnastics for the given program are determined.

page 33-39

E.A. Tatarintseva, Yu.P. Vetrov

Methods and Technologies of Training of Future Teachers to Interact with Parents of Schoolchildren

Key words and phrases: dialog technology; intersubjective space; preparing for engagement; training of future teachers; problem-based learning; reflective techniques.

Abstract: The article describes pedagogical technologies and methods aimed at creating intersubjective space in the process of professional training of future teachers. These technologies are relevant in training of future teachers to interact with parents, as they contribute to subject-subjective interaction of participants of the educational process.

page 40-42

S.U. Tursunbaev, Yu.P. Vetrov

Teachers’ Training for Implementation of the Regional Model of Identifying, Developing and Supporting Gifted Children

Key words and phrases: areas of training; general regional model; teachers’ training; support of gifted children and adolescents; training programme; purpose and objectives of training.

Abstract: The article analyzes the concept, organizational-pedagogical framework, implementation mechanism of the regional model for identifying, developing and supporting gifted children. The necessity of teacher training to implement this model is justified; the goal and objectives, areas of teacher training to work with gifted children are determined.

page 43-45

N.N. Udina

Legal Education Problems: The Concept of Collaborative LSP Learning

Key words and phrases: collaborative learning; competences; foreign languages; legal education; methods of collaborative writing.

Abstract: Problems of legal education and their solution have been discussed at various levels, focusing on innovative approaches, practical and interdisciplinary field of study. The article examines the role of foreign languages in the development of epistemological and communicative competences of law students. While legal language is the main instrument of lawyers in their activities, learning a foreign language provides additional opportunities for acquiring specialized, general and cross-cultural knowledge and the formation of competencies important for the profession. The theory of collaborative learning, which stems from L.S. Vygotsky’s ideas of collaboration and his concept of cooperative pedagogy and developmental education, has been effectively used in teaching foreign languages. New technologies contribute to the effective implementation of the principles of collaborative learning. Modern methods of teaching foreign languages and knowledge of foreign languages hold particular promise for the quality of legal education.

page 46-48

K.P. Chilingaryan

Professional Competence as a Quality Attribute of Education

Key words and phrases: competence; curriculum; educational service; motivation; qualification.

Abstract: The article discusses some vital qualities a student needs to acquire so as to become a successful worker after graduating from higher education institution, as well as the tasks for the educational system to prepare a loyal individual and a highly competent professional in different spheres of life. A lot should be done to meet the needs of a student as a consumer of education.

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Economic Sciences

D.A. Antipin, O.V. Antipina

Bank Financing of Innovation: Theory and Practice

Key words and phrases: bank financing; financial risks; innovative projects; investment.

page 51-53

Abstract: The article describes the key aspects of bank financing of innovative activity in the Russian Federation. We analyzed the complexity of the banks' participation in the implementation of innovation-oriented investment projects. We propose the ways of solving the problems of bank investment of innovative businesses.

V.V. Vygulyarny, Yu.A. Elbaev, S.V. Zavidney

Approaches to the Classification of Managerial Innovations in Construction

Key words and phrases: classification; construction; management; managerial innovations; organizational structure.

Abstract: The authors note that there are few scientific works dedicated to the problems of classification of the managerial innovations in general, and in construction in particular; however, their role and importance for the development of enterprises in the world is extremely important today. The author examines the existing approaches to the classification of managerial innovations based on the spheres and directions of management, on-site management, the systematic approach, and the relevance between the object of managerial innovations and the approaches, trends and challenges of innovation management.

page 54-57

K.D. Danilov

Development of Multi-Functionality Strategy to Improve Welfare

Key words and phrases: multi-functionality; unemployment; income; sustainable development; differential direction; methods and tools to stimulate economic growth; state support; national policy.

Abstract: The article deals with the economic categories: income and unemployment as the cause of the need to form a multi-functionality strategy; we analyze unemployment of the region, conditions of formation of population incomes in the region from the beginning of market reforms until nowadays; we offer differential-specific directions of the region's development as an agricultural manufacturer.

page 58-61

N.V. Kulik

Regional Strategy Development in the Context of Increasing Regionalization

Key words and phrases: distance factors; regional development strategy; regionalisation.

Abstract: The article addresses the importance of regional strategy development in the context of increasing regional integration and intra-regional trade flows in the majority of world regions. The author highlights the importance of distance factors' impact on expansion decisions and antecedents that influence both the choice of the region and entry mode selection.

page 62-64

L.V. Parkhomenko, A.V. Parkhomenko, N.V. Naumova

Methodology of Optimization of Municipal Budget Expenditures on Financing of Preschool Institutions

Key words and phrases: donor regions; financing; model; municipal budget expenditures; preschool education; quality of life; regions-recipients.

Abstract: Quality of life is largely determined by the level of education, the foundation of which is laid in preschool education. The analysis showed that the greatest impact on total budget expenditure of the municipality (preschool education) has an impact factor "the number of children in preschool educational organizations". Accordingly, the distribution of expenditures on pre-school education in municipal areas must be calculated as the ratio of expenditures per child attending a preschool.

page 65-68

D.N. Protasov

Analysis of Credit and Investment Resources of an Industrial Enterprise for Uniform Scheme of Debt Repayment

Key words and phrases: mathematical methods in economics; dynamics of small enterprise development; forecasting of impact of evolution factors.

Abstract: The paper studies the theory of analysis and evaluation of the model describing the basic laws of dynamics, trends and strategies of enterprise development. Theoretical problems of modeling of enterprise dynamics, the analysis of their effectiveness and appropriateness of their reorganization in conditions of rapidly changing external turbulent environment remain unsolved and require advanced elaboration.

page 69-73

This study is aimed at solving the problem of optimization of industrial enterprises operating in stationary conditions of the market economy. Economic and mathematical models make it possible to examine the dynamics of industrial enterprise development depending on

the chosen investment strategy.

The paper presents a detailed analysis of models and methods used for the study of dynamic characteristics of enterprises, evaluation of the development rates depending on the volume and conditions of financing under different schemes, and environmental influence. The differential model of enterprise in different conditions of credit and investment resources was built. Enterprise performance indicators, reflecting the peculiarities of credit and investment activities, were determined.

T.E. Rodionova, M.V. Rybkina, N.A. Ananyeva

Using Methods of Factor Analysis for Processing of Socio-Economic Data

Key words and phrases: enterprise; factor analysis; methods; socio-economic phenomenon; unemployment.

page 74-77

Abstract: Using the factor analysis, we identified the parameters of linear statistical relationships of socio-economic data. Methods of regression and correlation analysis were used. Original data were the statistical data for the Ulyanovsk region.

M.V. Rybkina, M.V. Korotkova, A.V. Nazarenko

Improved Planning in Management of Demographic Processes at the Regional Level (Examplified by the Ulyanovsk Region)

Key words and phrases: demographic factors; management; migration; planning; population; region.

page 78-81

Abstract: Demographic processes of the Ulyanovsk region are considered in the article. The state measures directed at changing the negative demographic processes in the country are described. Recommendations on the improvement of planning of the demographic policy in the region are made.

A.M. Chernysheva

The Method of Focus Groups as the Most Popular Method of Marketing Qualitative Research

Key words and phrases: focus groups; market research; quantitative research; qualitative research.

page 82-84

Abstract: Russian and world market of marketing research is constantly evolving. Research companies think about the objectivity and reliability of the information provided. Accordingly, companies choose the most effective methods of marketing research. The main methods of qualitative research include focus groups; being one of the most popular methods, it allows forming a reliable group and extrapolating the data on the target audience.

A.V. Shipnyagov, E.V. Kuchihina

Using IDEF0 Notation to Describe Business Process in Designing

Key words and phrases: commerce; planning methods; sales forecasting; sales management.

page 85-87

Abstract: The article justifies the benefits of using IDEF0 notation to describe business processes in designing. According to the results of the conducted research, project documentation is designed in stages using previously adopted design decisions. A strict sequence of stages gives the opportunity to make decisions that meet the requirements of security and consistency. The verification of the project by both the customer and state expertise allows you to pay attention to the aspects that may have been missed by the designer. IDEF0 helps to make additional engineering and patching amendments in the generated project documentation in consistency with the core product – the project. The main advantage of IDEF0 notation is that it allows describing business processes using flowcharts in a logical and coherent way with sufficient details. IDEF0 is easy to use and it does not require the investment in this description of a large number of resources.

Information Science, Computer Engineering and Management

D.V. Bluvshcheyn, V.P. Zubkov

Automated Creation of the Standard Form for Switchings of Electric Power Facilities

Key words and phrases: diagram formation; formalized rules; generalized rules; standard form of switching; templates; types of operations.

page 88-91

Abstract: The article considers the following questions: the analysis of possibility of automated creation of the standard forms of switchings (SFS); the technology of automated creation of SFS; the architecture of the software (S) for automated creation of SFS.

The rules of formation of generalized and formalized SFS are described. The architecture of the software for automated creation of SFS is briefly described.

I.I. Savenko

Applying Automata Theory to Creating a Mathematical Model of Onboard Repeater

Key words and phrases: Automata theory; mathematical model; Moore-Automat; onboard repeater.

Abstract: This article describes a mathematical model of onboard repeater created by using the Moore- Automat. The formality of automata theory applied to the onboard repeater allowed determining the problems, which can be solved by functions of transitions from one state to another, and calculating the maximum number of states, which the onboard repeater can have at a discrete point in time.

page 92-94

Machine Building and Engineering

S.Z. Manoylina, O.I. Polivaev, I.B. Zhuravets, E.A. Galkin

Heating of the Vehicle Cabin

Key words and phrases: current sensing devices; electronic control module; force sensing devices; heating; infrared emitter; setting unit – detector; temperature detectors.

Abstract: We propose a multi-parameter heating system of MES cabin. It consists of an electronic control module that regulates all the types of heating depending on environment conditions and operator's ergonomic load. The proposed heating system of the vehicle contains the main convective heat exchanger, heated seats and shoes, and infrared emitter. The main purpose of the device is to improve the efficiency of heating.

page 95-97

I.A. Chetverikov

Forming a Working Part of the Blades and Vanes on Non-Specialized Equipment

Key words and phrases: blades and vanes; contour milling; forming kinematics; forming of surfaces; interference; non-specialized equipment; turning center; variable cross-section profile.

Abstract: The article considers the possibility of forming a working part of the blades and vanes of the line profile on the equipment with a limited number of degrees of freedom. A three-axis turning center was investigated as technological equipment. The method of forming, which is used in the article, is contour milling with spherical endmill. The features of kinematics of forming a convex-concave profile workpieces with two controlled axes are described. A technique is based on the graphic constructions, which allow determining the optimal position of the workpiece rotation axis of concave-convex profile twisted relative to the cutting tool, ensuring the absence of interference. The constructions use the tangent lines drawn at the extremities of the concave part of the profile defining the maximal allowable slope of angles of tool relative to the processed contour. These tangent lines limit the range of possible position of the workpiece rotation axis. The obtained calculated position of the workpiece can be used both for manual preparation of control programs, as well as for automated programming.

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M.N. Yarovoy, V.V. Voronin, D.O. Zadorozhniy

Improvement of the Working Part of Disc Mills for Coarse Grains

Key words and phrases: disk mill; grinding disc; grinding grain.

Abstract: The article deals with modernized grinding disk of the mill. The use of radial channels on grinding disks enables to improve the performance of the mill by 41–58 %, while maintaining the quality of the product.

page 102-105

Construction and Architecture

E.N. Karpanina

General Methodology for Determining the Load on Building Structures in Industrial Buildings

Key words and phrases: building structures; emergency explosion; general methodology; industrial buildings; load calculation; risk analysis.

Abstract: The paper studies the regulatory documents as the basis of the general

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methodology for determining the load on building structures in industrial buildings. The method of calculating the excess pressure developed by the combustion of the gas mixture in the room, as well as the understanding of the basic laws governing the process of load impact and explosion, including experimental data and mathematical models that reflect the regularities of these processes have been analyzed. The effectiveness of the combined application of the methods for determining the loads on the structures in accordance with the regulations has been discussed

Linguistics

S.Ch. Guseynova

Arrangement of Parallel Sentences in the Medieval Epic “Song of the Nibelungs” and “The Book of My Grandfather Korkut”

Key words and phrases: general member of sentences; parallel sentences; text.

Abstract: The article discusses the problems of parallel sentences in the medieval epic “Songs of the Nibelungs” and “The Book of My Grandfather Korkut”. Different types of parallel sentences and their reference to formal and context aspects with each other are considered in the article. Parallel sentences are connected with the general context and have a general member with definite logical predicative center expressed by the verb. Parallel sentences ensure close relations of all the sentences of the text.

page 109-113

N.A. Kakhirova

Metaphoric Context as a Prerequisite of Phraseological Meanings in the Author’s Intention (Case Study of K. Abukov’s Fiction)

Key words and phrases: associative field; metaphorically changed expression; metaphorical transference; normative meaning of words; semantic transformation; phraseological context; phraseologically bound meaning of words.

Abstract: The article deals with the problem of using the national phraseology of the Kumic language in the author’s interpretation. The investigation is based on studying K. Abukov’s fiction (the Kumic publicist, critic and playwright). The nature of semantic changes influenced by the nearest context is defined. The connection with normative and phraseologically bound meaning of words is observed. The most widespread types of phraseological contexts are analyzed.

page 114-116

A.V. Kozhokina

Linguistic Interpretation of Abstract Nouns “Cause” and “Reason”

Key words and phrases: abstract nouns; cause; effect; interpretation; linguistic consciousness; reason.

Abstract: The author researches the abstract nouns “cause” and “reason” and determines the difference in their level of abstraction. The author concludes that the nouns “cause” and “reason” are at different levels of abstraction. This can be explained by different linguistic consciousness of connections between the world phenomena. The noun “reason” is higher than the noun “cause” on the scale of “concreteness/ abstractness”. The noun “cause” is closer to concrete nouns.

page 117-119

E.V. Prasolova

From Information Article to Multimedia Story: Development of the Genre

Key words and phrases: convergence; genre; information note; Internet media; multimedia story.

Abstract: The article discusses the reasons for the evolutionary transformation of the traditional genre of “information article” into the genre of “multimedia story” under the influence of new information technologies and media convergence. The author concludes that multimedia story most adequately meets the conditions of functioning of the journalistic text on the Internet and the requirements of the Internet audience.

page 120-123

Aslan Ebru

The Image of Angela Merkel in the British Mass Media

Key words and phrases: British newspapers; critical discourse analysis; image; language means; mass media.

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Abstract: The article discusses the importance of mass media in constructing politicians' images and the influence of mass media on people's opinions. In this article, the language means used in constructing the image of the German Chancellor Angela Merkel have been analyzed. Five articles from the British newspapers have been studied from the perspective of Critical Discourse Analysis (CDA). The newspapers, which have been chosen for this article, are 'Sunday Express', 'The Guardian' and 'The Independent'. In the article, we have conclude that there are different verbal images in the newspapers

History, Philosophy and Sociology

A.V. Drobyshev

The Contribution of the Russian Orthodox Church to the Liberation of the Balkan Christian People during the Russian-Turkish War (1877–1878)

Key words and phrases: army; charity; Church; military clergy.

Abstract: The article examines the Russian Orthodox Church contribution to the liberation of the Balkan Christian people from the Ottoman Empire power because they were subject to harassment on ethnic and religious grounds.

page 129-131

E.A. Lisina

Periodization of Rituality in Scientific Cognition

Key words and phrases: functional approach; myth; post-structuralism; psychoanalysis; ritual; social philosophy.

Abstract: The article deals with the periodization of scientific understanding of rituals and rituality. The author divides the history of rituality into three important periods: from the inception of ritual studies to the beginning of the 20th century; the first half of the 20th century; the second half of the 20th century – the beginning of the 21st century. Such periodization is associated with the logical development of the theory of ritual from mythography to post-structuralism, which was accompanied by the reassessment of the role of rituals in social life.

page 132-135

N.S. Tretyakov

Grief of Loss. Revisiting the History of Losses of Museum Objects and Interior Decorations from Leningrad's Suburban Palaces and Museums during the Siege

Key words and phrases: central repository of museum collections; Department of Restitution; Gatchina; Monument Preservation Inspectorate; Nuremberg trials; Oranienbaum; Pavlovsk; Peterhof; Pushkin; Reparations and Shipment Department; siege of Leningrad; suburban palaces and museums; The Great Patriotic War (WWII).

Abstract: A significant part of the museum collections of Leningrad's suburban palaces and museums was destroyed or looted by the Nazi invaders during the Great Patriotic War. Those crimes were later mentioned among the charges at the Nuremberg trials. The museum associates who returned to work after the liberation of Leningrad's environs created detailed description of the losses and did their best to find the traces of the lost objects.

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O.V. Flerov, P.S. Probin, V.A. Potaturov

The Main Historical Aspects of Cross-Cultural Communication

Key words and phrases: civilization; cross-cultural communication; epoch; forms of communication; interaction; modernity.

Abstract: The article gives a brief review of the history of cross-cultural communication and shows how its modern forms are historically conditioned.

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L.Ch. Khablieva, M.O. Bolotaeva

Organization of Universal Military Training in North Ossetia during the Great Patriotic War

Key words and phrases: instructor; military; mass military training; military reserves; preservice youth; universal compulsory education; universal education department.

Abstract: This article discusses one of the most important tasks of the state in the time of war – preparing pf the population to defend the Fatherland. The study analyzes the system of universal military training, goals and objectives, and organization of training of the population.

page 143-145

R.S. Chistov, S.V. Sobolev, N.I. Semenova

Producing Images of the Future as a Source and Mechanism of Socio-Cultural Changes

Key words and phrases: civil society; communication; cultural policy; elites; future and development; project; thinking and imagination.

page 146-148

Abstract: This article attempts to describe the phenomenon of the future through the prism of individual and collective activity of people. It is proved that socio-cultural changes and constructing future is the result of thinking and imagination, and the ability of the individual to communication and joint action.

Choi Mi Khi

The History of Presbyterianism in the Primorye

Key words and phrases: Christianity; Korean people; missions; Presbyterian Church; Presbyterian missionaries; religion.

Abstract: Nowadays the Presbyterian Church is one of the leading churches in the world; however, there are few research works devoted to the study of the history of its formation and development.

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The article aims to study the peculiarities of the development of Presbyterianism in the Primorye. The author of the article explores the development of Presbyterianism in Primorye in close connection with the history of the Korean people.

E.M. Shkomova

Prospects of Application of the Results of Psychosomatic Medicine in Modern Transplantology

Key words and phrases: personalized medicine; psycho-physical integrity; psychosomatic medicine; transplantation.

Abstract: Today transplantation is a successful method of treatment at postoperative stage; however, the problem of psychophysical integrity of a person remains unsolved. Psychosomatic medicine can be used as a possible base for solving the problem.

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Cultural Studies

Z.M. Denisova

The First Symphony G.A. Kancheli (Peculiarities of the Genre of the Symphony in the Works of the Composer)

Key words and phrases: art space; composition; drama; early days; First Symphony; G.A. Kancheli; intonation; origins of folk song culture of Georgia.

Abstract: This article deals with Giya Alexandrovich Kancheli's First Symphony, its informative, stylistic and structure-composition features that allowing revealing and identifying the specificity of the composer style at the early stage of his musical career. G.A. Kancheli's First Symphony characterizes the composer's early years as a stage of intense pursuit of his understanding of the genre of symphony. The analysis confirmed that Kancheli developed his unique traits as a symphonist during that period. Consequently, the three factors that influenced and defined the specific features of the of the symphony style in the composer's early works include the content specifics, intonation language, and dramaturgy.

page 157-160

Yu.V. Kurmaz

The Role of an Architect in Symbolic Development of a Religious Building Model and Design Solutions of Religious Buildings

Key words and phrases: architectural form; architectural space; author's interpretation; creative act; idea; ideal model of representation; meaning; religious space; symbol.

Abstract: The paper describes the results of the study of the work of an architect, especially in forming and shaping symbols of religious buildings. The architectural form of space is born in the creative activity of man and is a result of the objectification of an ideal representation. The role of an architect expressing his attitude to the world in creating architectural space is important. The architect is a carrier of ideas of the era and its immediate expression, or a genius at the turn of the centuries, foretelling the future in particular shapes. A perfect model of spatial resolution of a religious building is reflected in the shape. Religious symbols are interpreted through the prism of the architect's talent and shaped in stone. The architects' mission is changing; today they are striving to express the ideological line in the structure, make space harmonious and understandable, help people to understand or learn something new. The role of an architect in creating religious space is great, especially in the design solutions of the religious buildings.

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Land Sciences

N.V. Ukhov

Geocryological Analysis of the Development of Floodplain Ecosystems in the Seymchan-Buyundskaya Basin

Key words and phrases: edificatory role of trees; floodplain taliks; forest ecosystems; permafrost; root layer.

Abstract: The article considers the influence of geological factors on the forest ecosystems of floodplain taliks of basins. It was found that the increasing power of fine-grained floodplain sediments showed a reduction in temperature and the rate of seasonal thawing of the root layer and the formation of permafrost at high flood plain. These processes are accompanied by inhibition, dieback, and finally, the death of different age trees, which play an edificatory role, and vegetation change. The article presents the results of studies of the dynamics of ecological and geological conditions and the edificatory role of deciduous trees.

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Biotechnology and Medicine

I.V. Barkhatov, N.A. Barkhatova

Features of Microcirculation at Colonopathy of Inflammatory and Angiogenic Nature

Key words and phrases: abdominal ischemia; angiogenic colopathy; laser Doppler flowmetry; microcirculation.

Abstract: The paper describes the results of the study of microcirculation colonic mucosa in 91 patients with colopathy and persistent abdominal pain of inflammatory and angiogenic character. To diagnose the pathology of visceral arteries we used Doppler ultrasound, and evaluation of the microcirculation of the gastric mucosa was performed using endoscopic laser Doppler flowmetry. Inflammatory colopathy is characterized by stagnant changes of microcirculation and preservation of the active influence of neurogenic and myogenic components of the blood flow regulation. Angiogenic colopathy is characterized by increase in the microcirculation, decrease in perfusion index of oxygen saturation in the blood, combined with the prevalence of passive cardiac or respiratory mechanisms of blood flow regulation in the mucous.

page 169-172

N.A. Barkhatova

The Method of Objective Assessment of the Efficiency and Choice of Antibiotic Therapy for Surgical Infections

Key words and phrases: antibiotic; C-reactive protein; surgery infections.

Abstract: The paper describes the results of the dynamic investigation of C-reactive protein (CRP) for different forms of infections of soft tissues in 867 patients. Under antibiotic therapy, the CRP level reflects the sensitivity of microorganisms to the used remedy. Decrease in the CRP level after 24–48 hours from the beginning of the therapy confirms the efficacy of the antibiotic therapy. The absence of positive changes or increase in the CRP concentration indicate the resistance of bacterium to this medicine. The author proposes to use CRP for local infections of soft tissues to diagnose the indications to the general antibiotic treatment. Under the high level of CRP concentration, it is advisable to use antibiotic therapy, but under the normal concentration, it is advisable to apply local treatment in the inflammation center. At different forms of infection of soft tissues, normalization of the CRP concentration indicates the need to finish the course of general antibiotic therapy and continues the local treatment in accordance with the phase of the wounded process.

page 173-176

M.A. Krekoten

Increasing the Biological Resource of Agro- Ecosystems and Yield of Sunflower in the Voronezh Region Using Various Cultivation Technologies

Key words and phrases: agroecosystem; biologically active agents; biological resource; Voronezh region; sunflower; standard technology.

Abstract: The article presents and analyzes the results of a field experiment comparing traditional chemical technology of sunflower cultivation and innovative ones, with the use of biologically active preparations. The author experimentally confirmed the possibility of obtaining high yields of sunflowers in the Voronezh region using environmentally friendly and resource-saving farming.

page 177-179

Legal Science

A.Yu. Antipov

The Structure of Proving in Cases of Crimes Committed By People Sentenced to Corrective Labor

Key words and phrases: convicted people; corrective labor; evidence; evidence characteristics; facts at issue; proving; scope of proving; sources of evidence.

Abstract: The article analyses the structure of the process of proving in cases of crimes committed by individuals sentenced to corrective labor. The author points out that this structure is based not only on three traditional elements (collecting, verifying and assessing evidence), but also on the fourth (additional) element (using evidence). When brought into a system, these elements follow one another in strict sequence, being at the same time relatively independent and interrelated parts of the single activity.

page 180-187

G.V. Bryzhinskaya

Conditions for Effective Negotiations

Key words and phrases: condition; dialogue; negotiation process; negotiations; options; parties; problem solving.

Abstract: The article reveals several fundamental conditions for effective negotiations. The negotiation stages and steps to achieve a mutually beneficial solution are described. The requirements of a respectful dialogue are identified. The rules of tactful behavior of the parties in the negotiation process are formulated. The need for control of negotiations and the importance of identifying mutually beneficial solutions are discussed.

page 188-190

A.M. Zatsepin

General and Special Norm of Legal Regulation of Crimes

Key words and phrases: competition; constituent elements of crime; criminal law; criminal offences; general norm; legal regulation of crimes; special norm.

Abstract: The article presents the study of competition of general and special norms, which arises in connection with the peculiarities of legal regulation of certain offences. The author notes that the competition of general and special norms between multiple parts of the same article of the Special part of criminal law occurs in relation to a) composition of the primary and qualified crime and b) qualified crime. They all are formulations of the same crime. According to the results of the conducted research, the author provides an answer to the question why the priority is given to the special norm. In this case the court has the opportunity to assign the offender another (higher or lower) type of punishment. Thus, the content of the cases specified in the general and special norms implies no competition.

page 191-193

Yu.S. Kovalev

Judicial Precedent as a Source of Law: Theory and Practice

Key words and phrases: common law; jurisprudence; legal family; precedent; source of law.

Abstract: The article considers judicial precedent as a source of law for different legal families, the essence of active integration of judicial precedent in Romano-Germanic legal family, the practice of legislative regulation of judicial precedent.

page 194-196

O.V. Kuptsova

Theoretical and Legal Aspects of Legal Personality of Juvenile

Key words and phrases: juvenile; legal ability; legal capacity; legal personality; legal responsibility.

Abstract: Legal personality is seen in the article in the unity of legal capacity and legal ability from the perspective of the state-recognized right of minors to exercise the rights and obligations (including the obligation to bear legal responsibility) as a prerequisite of the right and performance of obligations. The paper emphasizes the interconnection of legal capacity of juveniles and their legal representatives. The ability of juveniles to bear legal responsibility as part of their legal capacity is characterized.

page 197-199

N.A. Kurmaeva

Ethical and Tactical Aspects of Minors' Interrogation

Key words and phrases: interrogation; minor; suspect; accused; victim; witness; investigative action; educator; psychologist; specialist.

page 200-202

Abstract: This article deals with ethical and tactical aspects of interrogation of juvenile suspects, defendants, victims and witnesses. Recommendations on priority participation of a professional psychologist in the interrogation of minors, the time of interrogation, the establishment of a psychological contact with the interrogated have been given.

E.M. Khokhlova

Forms of Protection of Children's Rights in the Russian Federation

Key words and phrases: administrative forms; court forms; forms of protection; prosecution; protection of rights; self-defense.

Abstract: The article discusses the state and non-state forms of protection of children's rights. The paper explores the content of the judicial form of protection of children's rights, administrative forms of protection of children's rights, prosecutorial forms of protection of children's rights, defense rights and public forms of protection of children's rights.

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T.V. Khudoykina

Legal Education as a Major Prevention Factor of Legal Conflicts

Key words and phrases: legal culture; legal education; good behavior; legal awareness; prevention; legal conflict.

Abstract: Legal education is seen as an organized, purposeful process of influencing individuals' consciousness to develop a high level of legal awareness and legal culture. The role of legal awareness in prevention of legal conflicts is discussed. The forms and means of legal education have been identified, its objectives have been formulated. The recommendations on its improvement have been given.

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P.A. Shalygo

Reforming the Electoral Law in the Russian Federation in 2004–2013

Key words and phrases: electoral law; proportional-majority system; security barrier; threshold for voter turnout; vote against all candidates.

Abstract: The article describes the following aspects of reforming the electoral law of the Russian Federation in 2004–2013: the change in the order of elections to the State Duma, the abolition of voting against all candidates and the turnout of voters and prolongation of the constitutional powers of the President and the State Duma. Constant amendments and changes to the electoral laws objectively lead to complication and instability of the Russian electoral legislation, which raises the question of the need for the development of the Electoral Code.

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