**№1, 2017**

УДК 4414. 65

**MORE ATTANTION FOR**

**Regulatory aspects of traffic safety**

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**Abstract**

This article focuses on the basic concepts related to the regulatory aspects of road safety, allowing you to refine their understanding.

Russian and international legal acts considered in relation with the world standards of road safety, international conventions and regional regulations.

**Key words:** traffic safety; normative and legal acts; federal laws; traffic police; rules of the road; international legal acts; global, general and regional standards.

УДК 656.5

**TOPICAL ISSUES OF THE ACTIVITIES OF DOROZHNO-PATROL SERVICE OF TRAFFIC POLICE OF THE MIA OF RUSSIA FOR IDENTIFYING AND FIXING VIOLATIONS IN THE CONTENT OF THE ROAD NETWORK**

*Galishin L.H., the senior teacher department of special disciplines VIPK branch of the Russian Interior Ministry, police lieutenant colonel, Naberezhnye Chelny, Russia*

**Abstract**

The article analyzes the current problems and identify deficiencies of the road network by employees of Road Patrol service of state traffic Inspectorate. In the course of analysis were studied regulatory material, a few scientific papers, statistics and reports, as well as media material.

**Key words:** traffic police, the shortcomings of the road network, statistics.

УДК 656.025.4

**ABOUT SAFETY IN TRANSPORTATION OF DANGEROUS GOODS WITH USE OF NEW TECHNOLOGIES**

*Gordon V.A., Professor, Ph.D., head of the department «Higher Mathematics»;*

*Kondratov S.V., graduate student of the department «Service and Repair of Cars»;*

*Novikov A.N., professor, Dr.Sci.Tech., head of the department «Service and Repair of Cars», FGBOU VO «PGU», Orel, Russia*

**Аbstract**

The preconditions and the main aspects of the application of the Global Navigation Satellite Systems to enhance the integrated security during the transportation of dangerous freights are defined. The system «Man-Machine-Environment-Freight» with the use of the GLONASS system is proposed.

**Key words:** the integrated security, GLONASS, safety, IDEF0 model.

УДК 519.876.5

**EXPERIENCE IN SYSTEM ANALYSIS OF TRANSPORT SYSTEM USING SIMULATION MODELING TECHNIQUES**

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**Abstract**

Examines the methodology and practice simulation modeling in the study of transport systems of varying complexity. Review of analytical tools and systematic analysis of transport systems. The examples of application of simulation modeling to improve the efficiency of operation of railway, air and road transport systems.

**Key words**: transport system, system analysis, model, simulation study, vehicle, performance indicators.

УДК 656

**WEATHER AND ROAD CONDITIONS FORECASTING AS A PART OF INTELLIGENT TRANSPORT SYSTEM**

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**Abstract**

Weather forecasting system provides intelligent transportation systems (ITS) with smart response to sever weather conditions. Currently Russian automatic road weather stations network is not being used fully, due to the lack of efficient meteorological information processing. «SYNOP» is one of the most advanced intelligent weather systems for creating complex transport and traffic management solutions. The system provides extensive capabilities for weather risk forecasting, damage assessment and required emergency resources. Thus, «SYNOP» brings decision support tool and allows to address the consequences of severe weather impact on the road infrastructure.

**Key words:** weather forecasting, road conditions forecasting, weather alarm system, weather risk forecasting, risk management, damage assessment, decision making.

УДК 004.9

**INTELLIGENT TRANSPORT GEOGRAPHIC INFORMATION SYSTEM “ITSGIS”**

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*Mikheev S.V., Candidate of Technical Science, Associate Professor;*

*Golovnin O.K. Candidate of Technical Science, Assistant of Professor, Samara National Research University. Acad. S.P. Koroleva, Samara, Russia*

**Abstract**

Article primarily describes developed intelligent transport geographic information system ITSGIS, designed for management of transport infrastructure. It describes functionality of the system and the basic additional modules – plug-ins. It also describes developed subsystem WayMark, designed to monitor the transport infrastructure objects.

**Key words:** ITS, GIS, ITSGIS, WayMark, geographic information systems, electronic map, transport.

УДК 656.5

**MODERN ROLE OF UNITS PROPAGANDA TRAFFIC POLICE MINISTRY OF INTERNAL AFFAIRS OF RUSSIA IN THE PREVENTION OF CHILD ROAD TRAFFIC INJURIES**

*Nikolaev V.V.,**the senior teacher department of special disciplines VIPK branch of the Russian Interior Ministry, police major, Naberezhnye Chelny, Russia*

**Abstract**

The article considers the basic forms and methods of traffic safety advocacy for the prevention of child road traffic injuries.

**Key words:** propaganda, vehicles, children's road traffic injuries.

УДК 625.711.4

**ESPECIALLY THE DESIGN OF SAFE CYCLING INFRASTRUCTURE**

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**Abstract**

In Russian cities the progressive growth of attention to Cycling. The article discusses the main criteria that should be considered when designing effective Cycling infrastructure, such as, safety, coherence, directness, attractiveness, comfort. Much attention is paid to the transverse profiles of the road network taking into account the inclusion of bike lanes.

**Key words:** cycling infrastructure, road network, bike paths, cycling route, design.

УДК 007.004

**SYSTEM OF AIR PATROLLING AND TRAFFIC CONTROL**

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**Abstract**

The proposed system is based on software for processing the data obtained from the balloons and unmanned aerial vehicles such as airplane, and integrated with the existing traffic management systems. Both platforms are equipped with software for visual recognition and tracking of specified objects. The developed software processes video data, analyzes the traffic situation in real-time, determines the optimal distribution of traffic flows, as well as interacts with the video fixation and traffic management systems.

The practical significance of the work – the air patrol and traffic control system has the following capabilities: definition of the traffic flow intensity in real-time and the development of schemes for optimal control of the situation; identification and localization of emergencies; detection and tracking of objects with the transfer of data of their location; the function of "green corridor for special-purpose equipment"; inspection of roads. Implementation of this system will significantly improve safety on the roads of the city of Kazan and optimize the traffic flow, which is especially urgent in view of important events (such as the FIFA World Cup in 2018).

**Key words:** traffic flow, road network, drone, air balloon, road situation.

УДК 656.02

**Transportation of bulky and heavy goods by road: ANALYSIS regulatory landscape**

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**Abstract**

According to Paragraph 2 of Article 29 of the Federal Law of the Russian Federation on November 8, 2007 №257 - FZ «On the roads and road activities in the Russian Federation and on Amending Certain Legislative Acts of the Russian Federation» road users are prohibited from movement by road of heavy vehicles on media, mass with or without cargo, and (or) the load on which the axis is more than two percentage points higher than the permissible weight of the vehicle and (or) the permissible axle load and (or) on the large-size vehicles and vehicles carrying transportation of dangerous goods without special permits issued in accordance with this Federal law, to carry traffic on the roads to heavy vehicles for the carriage of goods which are not indivisible, as well as to traffic by road on large vehicles for the carriage of goods, are not indivisible, except for carrying out the movement on the basis of special permits large vehicles, the dimensions of which exceed the allowable dimensions of no more than two percent.

According to paragraph 1 of Article 31 of the Federal Law movement by road of large-sized vehicle is permitted under special permits issued in accordance with the provisions of this article, but according to part 2 of the movement on the roads of heavy vehicle whose mass with or without cargo and (or ) load on the axis of which more than two percent higher than the permissible weight of the vehicle and (or) the permissible axle load is allowed with a special permit issued in accordance with the provisions of this article.

**Key words:** transportation, heavy lift cargo, oversized cargo, security, traffic, special permission.

УДК 667.621.6

**ROLE OF FILLERS WHEN DEVELOPING COMPOSITIONS OF THERMOPLASTICS FOR THE ROAD MARKING**

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*Garipov R.M., Doctor of Technical Sciences, Professor, Head. KAF. «Technology and film photographic printing processes» Kazan State Technological University;*

*Shakurov I.I., director of OOO «SP"Soyuz"», Kazan, Russia*

**Аbstract**

The essential role in the organization of traffic is played by a road marking by means of which substantial increase of traffic safety is reached. In this work influence of fillers on properties of thermoplastic for a road marking is presented.

**Key words:** thermoplastic, petropolymeric pitch, road marking, fillers, steklosharik.

УДК 373.2+376.3

**PSYCHO-PEDAGOGAL ASPECTS OF EDUCATION AND EDUCATING OF CHILDREN OF PRESCHOOL AGE WITH PAROPSIS TO SAFE BEHAVIOR ON ROADS**

*Samigullina V.G., сandidate of pedagogical science, leading scientific security department specialist traffic «Scientific Center for Life Safety», Kazan, Russia*

**Аbstract**

The integrated approach is a priority in the process of training of preschool children with visual impairment in safe road behavior. The article deals with the specifics of the organization of training in safe road behavior and conduct psychological and educational correctional work with preschool children with visual impairment.

**Key words:** rules of safe behavior on the roads, the children of preschool age, impaired vision, education and training, psycho-pedagogical correctional work.

УДК 614

**THE FACTORS THAT DETERMINE THE MAIN CHARACTERISTICS OF INFORMATION NEEDED BY THE MANAGEMENT BODIES OF THE RESCUE CENTER OF EMERCOM OF RUSSIA FOR DECISION-MAKING AT LIQUIDATION OF CONSEQUENCES OF EMERGENCY SITUATIONS**

*Bobariko A.V. k.v.n., associate professor, professor of tactics and obschevoennyh disciplines;*

*Osipov A.V., Ph.D., senior lecturer in tactics and obschevoennyh disciplines;*

*Osipova N.V., Researcher, Research Center, FGBVOU IN «Academy of the Russian Emergencies Ministry of Civil Protection», Khimki, Russia*

**Abstract**

The article discusses the factors influencing the adoption process the chief of the rescue center of EMERCOM of Russia of the decision in the liquidation of consequences of emergency situations.

**Key words:** rescue center of EMERCOM of Russia, rescue and other urgent work, information, database, on management, management system, assessment of the situation.

УДК 656.5

**PUBLIC OPINION ON THE LEGISLATIVE INITIATIVES IN THE FIELD OF ROAD SAFETY**

*Voronina E.E., Ph.D., deputy director of the GBU «Science of Life Safety Center», Kazan, Russia*

**Abstract**

The article describes the experience and results of the study public opinion on legislative initiatives in the field of road safety.

**Key words:** case study, a participant of traffic monitoring, the respondent.

УДК 343

**SOME ASPECTS OF SECURITY OBJECTS PROPERTY COMPLEX**

**FROM RAIDER SEIZURE**

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I.D. Putilin, police Lieutenant Colonel;*

*Svistilnikov A.B., Professor of Operative Detective Activity Chair, PhD of the Legal Sciences, docent of Belgorod Police Training Institute of the Ministry of the Interior of the Russian Federation, Belgorod, Russia*

**Abstract**

In the article discusses ways of identifying related to corporate raids of property complexes.

**Key words:** raiding, hostile takeovers, means of identification of raider captures of property complexes.

УДК 628.5

**Multilevel scale of technical safety indicators of the life-support systems of urban area**

*Bruma E.V., Candidate of technical sciences;*

*Gordon V.A., Doctor of technical sciences, head of chair Higher mathematics;*

*Poturaeva T.V., Candidate of technical sciences Turgenev Orel state university; Orel, Russia*2

58.5

**Abstract**

Represented by a multilevel scale of quantitative indicators of technical safety of city life support systems. The described system is seen as territorial – distributed object having a complex set of interacting subsystems. Indicators presented in the form of multi-component vectors and describe conformity of the actual state of the system with regulatory requirements. As an example calculated indicators of technical safety of urban water service subsystem.

**Key words:** technical safety, life support systems, urban water supply.

УДК 614

**CAUTION, SECT!**

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**Аbstract**

When the «Iron Curtain» for Russian has been removed, the exchange of experiences between countries has brought a lot of useful information. But as always, each «wave» has its own counter. One negative point was the fact that the Russian wave poured various «preachers», «Guru», «teachers» who are the leaders of totalitarian sects. They came under the banner of love, peace and good, with a variety of programs and enormous funds to «help» others.

The Russians, after isolation, gladly responded to the «foreign wisdom». That's how the people - to seek new, with a thirst for knowledge. And the desire for spiritual development and the search itself – one of the indicators of personality development.

But not all possess the skills of a competent consumer. Religious extremism and terrorism have led society to realize that the word «sect» or «destructive cult», poses a major threat [2].

**Key words:** sect destructive cult, mental violence, psychology of influence, manipulation of consciousness, engaging in destructive cults, involvement in the sect, mental health.

УДК 378

**COUNTERING YOUTH EXTREMISM: THE CAUSES AND CHARACTERISTICS OF MANIFESTATIONS**

*Samigullina V. G., сandidate of pedagogical science, leading scientific security department specialist traffic «Scientific Center for Life Safety», Kazan, Russia*

**Аbstract**

The article describes the causes and characteristics of the manifestations of youth extremism and directions of educational work to counter extremist ideology to ensure the formation of patriotism and citizenship of students in the educational environment.

**Key words:** education, citizenship, patriotism and opposition to the ideology of extremism.

УДК 614

**THE EFFECTIVENESS OF THE METHOD OF CIRCUIT TRAINING IN THE PROCESS TRAINING SESSIONS IN EDUCATIONAL INSTITUTIONS OF THE MIA OF RUSSIA**

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**Abstract**

The article examines the efficacy of the methods of circuit training in educational institutions of the MIA of Russia. The author identifies the advantages of the studied method, training sessions, and the assumption about the need for its mandatory use in the training of police officers.

**Key words**: circuit training; endurance; endurance of employees of the interior Ministry.

УДК 343+502

**CRIMINOLOGICAL CHARACTERICTIC AND PREVENTION OF CORRUPTION CRIMES AS ONE OF THE PROBLEMS OF ECOLOGICAL SAFETY**

*Alekseev S.L., candidate of pedagogical sciences, dean of the law faculty;*

*Alekseeva Ju.S., competitor of a scientific degree candidate of sciences, senior lecturer in criminal law and criminal proceedings;*

*Shaydullin R.N., assistant of the cabinet of expertise in criminal and civil proceedings, Academy of social education, Kazan, Russia*

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**Abstract**

In the article the authors consider the criminological characteristics and preventive measures to counter corruption crimes in the sphere of ecological safety in the Russian Federation. The main measures, the authors consider necessary introduction in all educational organizations of continuous anti-corruption education.

**Key words:** ecological safety, criminological characteristics, prevention of corruption, anti-corruption education, criminal responsibility, environment.

УДК 614.76

**ANALYSIS OF THE IMPACT OF OIL INDUSTRY ON THE ENVIRONMENT**

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*Muravyev G.B., Ph.D. associate Professor,*

*Vasilyev A.A., student of Kazan National Research Technical University named after A.N.Tupolev – KAI, Kazan, Russia*

**Abstract**

It is well known that among the environmentally unfriendly industries oil production takes perhaps the first place. It accounts for over 40% of the total environmental pollution. Energy companies are breaking every year about 30 thousand hectares of land, while recycle less than half. Of this amount, land and 43% fall to the share of the oil industry.

The oil industry occupies a large area of land, high explosive and fire risk industrial objects. Chemicals used in the drilling of wells, extraction and treatment of crude oil and the produced hydrocarbons and contaminants to them are harmful to flora and fauna and also to humans.

**Key words:** oil production, environmental protection, petroleum, pollution.

УДК 681.121.4+676.1

**THE USE OF SUBMERSIBLE VORTEX FLOWMETERS TO CONTROL THE VOLUME OF WASTE WATER FROM THE PULP AND PAPER INDUSTRY**

*Lurie M.S., Doctor of Technical Sciences, Professor of the Department of Automation of Production Processes;*

*Lurie O.M., Ph.D., Associate Professor of the Department of Automation of Production Processes;*

*Frolov A.S., Ph.D., Associate Professor of the Department of Automation of Production Processes, FGBOU VO «Siberian State Aerospace University named after M.F. Reshetnev», Krasnoyarsk, Russia*

**Abstract**

In the article the questions of exact account of sewage waters of pulp and paper production with the help of submersible vortex flowmeters are considered. The error of the measurement method in pipelines of various diameters is analyzed. The results of a numerical experiment are presented.

**Key words:** wastewater, consumption, flowmeter, error.

УДК 504.064.47

**REQUIREMENTS FOR SAFETY AND COMPLIANCE OF ENVIRONMENTAL STANDARDS IN THE DEVELOPMENT OF OIL AND GAS DEPOSITS OF THE NORTHERN CASPIAN**

*Nurgaliev E.R., Ph.D., assistant professor of the Department of economics and management in water transport, Caspian Institute of Maritime and River Transport, Astrakhan, Russia*

**Abstract**

In the presented article, the issues of environmental safety in the operation of the North Caspian fields are considered. The concept of the zero discharge principle, goals and objectives of environmental monitoring, as well as issues related to the management of production and consumption wastes are considered.

**Key words:** environmental safety, zero fault, oil and gas field, technological waste.

УДК 504.064.47

**TECHNOLOGY OF UTILIZATION OF PRODUCTION WASTE FROM OIL AND GAS DEPOSITS OF THE NORTH CASPIAN (DRILLING SLUDGE) FROM THE INDUSTRIAL SAFETY INDICATION POINT**

*Nurgaliev E.R., Ph.D., assistant professor of the Department of economics and management in water transport, Caspian Institute of Maritime and River Transport, Astrakhan, Russia*

**Abstract**

The presented article highlights the technological process of drilling cuttings disposal, which is one of the main production wastes during hydrocarbon production at the fields of the Northern Caspian. In addition, the issues of utilization of drilling fluids, oily and fecal waters are considered.

**Key words:** industrial safety; drilling mud; oil and gas field; technological waste; oily water.

**№2, 2017**

УДК 656

**ROAD TRAFFIC EDUCATION AND EDUCATION - BASIC ELEMENTS OF THE ROAD SAFETY SYSTEM**

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**Abstract**

The subject of the study is the status and formation of road transport education and education of road users. The article highlights the importance of disciplined behavior of road users, which develops in the process of literate and purposeful education and training.

The author reviewed expert assessments and proposals for revising the current driver training system and the medical component of road safety, conclusions and forecasts were made.

The urgency of this problem is due to the fact that at present only citizens who are legally developed can ensure road safety. In such conditions, the issues of the state and formation of transport education and education of all road users become most relevant.

The scientific novelty of the study is that the author of the article proposed measures to improve information work in the field of road safety, the main direction of which should be the formation of legal awareness among all road users; The necessity of training the staff of the State Traffic Inspectorate for psychological aspects of literate communication with children on safe behavior on the roads was expressed.

As a result of the conducted research, the author comes to the conclusion that in the Russian society a radical request has been formed for improving road safety, therefore the development of communication tools with which the topic of road safety will be competent will be of paramount importance.

**Key words:** upbringing, training, education, road user, Accident rate, Incidents, behavior, Subjective factor, Driving school, Expert assessments

УДК 656.085

**ACTUAL PROBLEMS OF TRANSPORT SPECIAL CHEMICALS**

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*Gumerov A.V., Ph.D., Professor, head of Department of «Economics and Manadgment», Leninogorsk branch of FSBEI HE «KRSTU-KAI»;*

*Arslanov I.G., Ph.D., Professor, head of Department of «Mechanics and Engineering Technology», Oktyabrsky branch of FSBEI HE «The Ufa State Petroleum Technical University»;*

*Kroshechkina I.Yu., Ph.D., assistant professor, head of Kazan branch of FSBEI HE «MIIT»;*

*Klepikov A.V., coach, Corporate University of JSC Russian Railways;*

*Ziyatdinova R.M., practice worker, Kazan National Research Technological University, Kazan, Russia*

**Abstract**

Qualitative analysis of the market turnover of sectors reflects the notable performance of carriage of special substances technical chemicals by rail carload shipments. Failures in the undercarriage of cars with dangerous goods can cause rolling stock similar to the subsequent explosion and fire response. In order to ensure the safety of transport proposed means and methods of preparation of rolling stock with the identification of obviously dangerous elements design transport units

**Key words:** transportation of specialty chemicals, railway transportation, breaks side frames, detonation*.*

УДК 656

**PROFESSIONAL TRAINING OF EMPLOYEES OF STATE TRAFFIC OF THE MIА OF RUSSIA AND THE REQUIREMENTS TO THEIR PROFESSIONALLY IMPORTANT QUALITIES AT THE PRESENT STAGE**

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**Abstract**

He article examines the professionally significant qualities of the employees of the State Traffic Safety Inspectorate of the Ministry of Internal Affairs of Russia, formed with their professional training and acting as factors that can positively affect the safety of road traffic. The content and structure of the preparation of the professionally significant qualities of the employees of the State Traffic Safety Inspectorate of the Ministry of Internal Affairs of Russia need further, more thorough and focused research, which in turn will improve the methods of professional education and contribute to the effectiveness of their professional activities.

**Key words:** State Road Safety Inspectorate, road safety, vocational training, professional training, professionally significant qualities, special professional qualities, business qualities, optimal personal qualities.

УДК 374

**HEALTH-SAVING INTEGRATED TECHNOLOGIES AS A BASIS FOR PROFESSIONAL GROWTH AND PSYCHOLOGICAL SAFETY OF THE ART TEACHER IN THE SYSTEM OF SUPPLEMENTARY EDUCATION**

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*Radomskaya O.I., Ph.D (the pedagogical sciences), senior Research Fellow of the Laboratory of Integration of art and Cultural Studies’ named after B.P. Yusov of The Federal State Budgetary Scientific Institution «Institute of Art education and Cultural Studies of the Russian Academy of Education», Moscow, Russia*

**Abstract**

The article is devoted to the scientific analysis of the process of integration of pedagogical and psychological knowledge in the professional growth of art teachers. The authors disclose the content of such health-saving integrated psycho-pedagogical technologies as: project activity, co-creation, game technologies, etc. An effective model of joint creative activity in uneven-aged (family) groups is presented. The authors consider pedagogical supervision as a special way of saving health, aimed at creating an environment for the development and support of teachers by means of art, the formation of a culture of healthy and safe lifestyles.

**Key words:** system of supplementary education, health-saving integrated psychological and pedagogical technologies, psychological safety, pedagogical supervision, integration of pedagogical and psychological knowledge, professional growth of the art teacher.

УДК 373.2+376.3

**QUESTIONS OF SAFETY IN IMPROVING BIOLOGICAL DIVERSITY AND PROSPECTS OF DEVELOPMENT OF REGIONAL ACTIVITY**

*Vinogradov V.Y., Gumerov A.V., Kazan National Research Technical University. A.N. Tupolev – KAI, Kazan, Russia;*

*Gumerov A.V., Doctor of Economic Sciences, Professor, Head of the Department «Economics and Management» of the Leninogorsk Branch of the FGBU VO «Kazan National Research Technical University. A.N. Tupolev-KAI», Leninogorsk, Russia*

**Abstract**

The article considers the anthropogenic factors of the harmful impact on nature. Among them - the consequences of the use of pesticides and mineral fertilizers, emissions of vehicles and enterprises (solids, carbon monoxide, sulfur dioxide), pollution of the territories with livestock products, garbage and household waste.

It is proved that the study of local lore has a huge potential for the formation of geographic thinking among students.

**Key words:** anthropogenic factors of harmful impact on nature, pesticides and mineral fertilizers, emissions of vehicles and enterprises (solids, carbon monoxide, sulfur dioxide), contamination of territories with livestock products, garbage and household waste.

УДК 377:378

**THE FORMATION OF CIVIL STABILITY OF YOUTH AS A CONDITION OF SECURITY OF SOCIETY**

*Gileeva R.H., doctor of pedagogical Sciences, Professor, leading researcher, Institute of pedagogics, psychology and social problems, Kazan, Russia*

**Abstract**

The article presents a system of preventive measures for the formation of negative attitudes of students towards corruption and corrupt practices. The basis of this system is the phenomenon of spiritually-moral immunity, contributing to the confrontation of the individual destructive phenomena and the interaction of all social institutions in the implementation of anti-corruption activities.

**Key words:** spiritual-moral security, spiritual-moral immunity, anticorruption education, anti-corruption worldview, anti-corruption behavior.

УДК 331.4

**FORMATION OF MOTIVATION OF UNIVERSITY GRADUATES TO THE SAFETY OF HEALTH**

*Kousmartseva E.V., Candidate of Technical Science, Associate Professor Saratov State Agrarian University in honor of N.I. Vavilov, Saratov, Russia*

**Abstract**

The article contains the main methodical directions for increasing motivation for health and safety of university graduates in the modern system of education. The necessity of educating a culture of occupational safety and the role of the anthropogenic factor in labor are indicated.

**Key words:** culture of occupational safety, control of professional risk, labor conditions, Information about occupational risk , motivation for Health and Safety.

УДК 159.9

**Is a deaf tutor an unavoidable reality in the practice of inclusive education?**

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*Romanenko O., candidate of Philological sciences, docent;*

*Mayorova U.V., Master of the first year of study;*

*Yaroslavkin A.S., Master of the first year of study of Kazan national research technical university named after A.N. Tupolev-KAI, Kazan, Russia*

**Abstract**

The safety of the educational environment is becoming an increasingly relevant topic when it comes to inclusive education, which is becoming more and more massive every year. The authors of the article, having already sufficient experience of teaching students with disabilities in the tecnical university, share their experience as an educational environment to make quality and really accessible.

**Key words:** tutor, people with limited hearing capabilities, teaching methods, psychological characteristics.

УДК 378

**FORMATION OF POLYCULTURAL VALUE ORIENTATIONS OF TRAINING IN THE PROCESS OF PHILOLOGICAL TRAINING AS THE CONDITION OF ENSURING SECURITY OF EDUCATIONAL ENVIRONMENT**

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**Abstract**

The target of the article is the statement by President Vladimir Putin at the first meeting of the Society for Russian Literature about the importance of the Russian language and literature in shaping Russia's national security. The article emphasizes that it is philological ignorance that contributes to the «inaccuracies of meaning», due to which the true spiritual values are replaced by the flow of mass pseudo-culture leading to social instability. Therefore, the author proposes to consider the problems of teaching the Russian language and literature in a multicultural context with a view to ensuring the safety of the educational environment in the light of the challenge of the time. The systematization of multicultural values in thematic blocks on literature, combining works of writers from different countries and directions, which, with all the national peculiarities, are taught to love and appreciate life and man, have the same basic values: patriotism, love of one's business, To the family, nature, cultural values of the country, which serve as the basis for sustainable safe life.

**Key words:** multicultural value orientations, philological preparation, security, educational environment, multicultural language communications.

УДК 37

**EFFICIENCY OF ART TEACHER PROFESSIONAL ACTIVITY IN THE FIELD OF STUDENTS**

**HEALTH PRESERVATION, STRENGTHENING AND DEVELOPMENT**

*Olesina E.P., Ph.D, Head of the the Integration of Arts and Cultural Studies Department named after B.P. Yusov, Federal State Budgetary Scientific Institution «Institute of Art Education and Cultural Studies of Russian Academy of Education», Moscow, Russia*

**Abstract**

The article presents the results of the teacher's motivation for health preservation and the level diagnostic studies of teachers' inclusion at health-saving component into the content of educational programs. The author focuses attention on the problem of insufficient familiarization of art teachers with health-saving technologies, which negatively affects the level of students' health preservation. The article gives recommendations on the development of health-saving competence among teachers.

**Key words:** health-saving activity of the teacher, health-saving competence, teacher's motivation for health preservation, health-saving component, professional deformation.

УДК 13:316

**CONTINUOUS PROFESSIONAL EDUCATION AS A FACTOR IN THE DEVELOPMENT OF A YOUNG EMPLOYEE**

*Popova N.V., candidate of philosophical sciences, associate professor, Department of Work Organization with Youth, Ural Federal University named after the first President of Russia B. N. Yeltsin, Ekaterinburg, Russia;*

*Ziyatdinov A.M.,Ph.D., senior lecturer of the Department of «Mechanics and Engineering Technology», Oktyabrsky branch of FSBEI HE «The Ufa State Petroleum Technical University», Oktyabrsky, Russia;*

*Ziyatdinova R.M., student, Kazan National Research Technological University Kazan, Russia*

**Abstract**

The article discusses the continuing legal education of youth. The authors analyze the educational system in Russia and development of staff in the workplace, focusing on work with young experts – graduates of universities, make a conclusion about necessity of development of social partnership between enterprises (organizations), youth and institutions of higher and secondary professional education and the need of formation of professional and social competence of students.

**Key words:** continuing education, higher educational institution, student, enterprise, development, young worker.

УДК 13:316

**EDUCATION OF STUDENTS IN RUSSIAN UNIVERSITIES:**

**THE MOTIVATIONAL ASPECT**

*Popova N.V., candidate of philosophical sciences, associate professor, Ural Federal University named after the first President of Russia B.N. Yeltsin, Ekaterinburg, Russia;*

*Gumerov A.V., Ph.D., Professor, head of Department of «Economics and Manadgment», Leninogorsk branch of FSBEI HE «KRSTU-KAI», Leninogorsk Russia;*

*Popova E.V., candidate of Philosophical Sciences, Head of Department of Philosophy, Culturology and Art History,Russian State Vocational Pedagogical University, Ekaterinburg, Russia*

**Abstract**

The article discusses the education of students in higher educational institutions of Russia, including features of motivation of choice of profession and of the University as a place to receive your future profession. The authors analyze the theoretical sources on the subject, as well as lead the results of empirical research among students of one of higher educational institutions of Russia. The study used a tested in teaching practice methods for collection and analysis of information.

**Key words:** education, higher educational institution, student, learning motivation, educational process.

УДК 159.9

**ADAPTATION OF SPEECH TEST MATERIAL AS A NECESSARY CONDITION FOR PSYCHOLOGICAL AND PEDAGOGICAL SUPPORT OF STUDENTS WITH LIMITED HEARING ABILITIES**

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*Mironova M.A., candidate of Pedagogical sciences, docent;*

*Safin I.D., Kazan national research technical university named after A.N. Tupolev-KAI, Kazan, Russia*

**Abstract**

Testing and observation are the most popular methods for studying the personality of students. Choosing a test material for hard of hearing students and deaf students is not an easy task, since writing with participial, adverbial phrases, and various phraseological phrases often complicate understanding of the meaning of the questions. Therefore, we carried out the following work: a deaf and hard of hearing student was presented with test material, they translated their sign language interpreter, and the sign language interpreter provided feedback to the authors of the article.

**Key words:** limited hearing health, Cattell test, synonymy, adaptation of the test.

УДК 378

**THE FORMATION OF SAFE EDUCATIONAL ENVIRONMENT FOR COUNTERING YOUTH ЕXTREMISM MEANS SCIENTIFIC, SOCIAL FND SOCIO-CULTURAL ACTIVITIES**

*Samigullina V.G., Candidate of pedagogical science, associate professor of Kazan branch of Russian state University of justice, Kazan, Russia*

**Аbstract**

Today, modern society needs young people who are nurtured in a safe educational environment and educated in the sprint of rejection of the ideas of extremism, the installation formed a positive perception of ethnic and religious diversity with a high level of General and legal culture. In the article the main directions of formation of safe educational environment by means of scientitific and socio-cultural activities volunteer group on counteraction of ideology of extremism «Live bright!».

**Key words:** opposition to the ideology of extremism, safe educational environment,volunteer squad, scientitific activities, socio-cultural activities.

УДК 159.953.5:81’232+316.612

**ECOLOGICAL THINKING DEVELOPMENT THROUGH PROJECT ACTIVITIES IN THE PROCESS OF SECOND LANGUAGE LEARNING**

*Tikhonova N.V., assistant teacher;*

*Matushevskaya G.V., PhD, Associate Professor, Institute of International Relations, History and Oriental Studies, Kazan Federal University, Kazan, Russia*

**Abstract**

Ecological thinking is one of the key professional competences of future ecologists. This paper analyzes the experience of forming students' ecological thinking through project activities in the process of second language studying. The goal of the paper is to demonstrate that professionally oriented projects contribute both to the development of core competences and socially significant qualities of future professionals along with mastering the language skills.

**Кеу words:** education, student, language, teaching, learning, ecological, environment, project, thinking, creative.

УДК 316.346.32-053.6

**VII REPUBLICAN YOUTH FORUM «OUR TATARSTAN»**

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*Khusainova R.Z., senior scientific security department specialist traffic «Scientific Center for Life Safety»; Kazan, Russia*

**Abstract**

The article describes the practice of holding the VII Republican Youth Forum «Our Tatarstan» on the thematic platform «Territory of Safety» in 2017.

**Key words:** VII Republican youth forum «Our Tatarstan», direction, thematic platform «Territory of Safety», project, author.

УДК 351.74 : 796

**FEATURES OF PHYSICAL TRAINING OF EMPLOYEES OF THE STATE TRAFFIC INSPECTORATE IN THE SYSTEM OF ADDITIONAL PROFESSIONAL EDUCATION OF THE MINISTRY OF INTERNAL**

*Glazistov A.V., Philosophy Doctor in Pedagogic sciences, Associate Professor of Сhair Fire, physical and tactical and special training branch of Advanced Training Institute of the MIA of Russia in Naberezhnye Chelny, Russia*

**Abstract**

In this article the author reveals the peculiarities of physical training of employees of the state traffic Inspectorate in the system of additional professional education of the Ministry of internal Affairs of Russia. In the process of additional professional education is necessary to maintain the readiness of the police to the successful implementation of operational service and service-combat tasks. The author of the article considers the basic problems of physical training of employees of the state traffic Inspectorate in the system of additional professional education, emerging Ministry of internal Affairs of Russia, and offers solutions to them. For the successful implementation of operational tasks for the protection of public order in the area of traffic police it is necessary to maintain a high level of efficiency, which depends on the physical fitness of police officers, which is an integral part of the effective performance of duties in everyday professional activities.

**Key words:** physical training, traffic police officers, additional education.

УДК 338

**SHADOW EMPLOYMENT IN THE RUSSIAN FEDERATION AS THE PROBLEM OF FINANCIAL INSTABILITY OF THE PENSION FUND OF THE RUSSIAN FEDERATION AND THE OFFER ON ITS PERMISSION**

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*Labutin A.A., senior inspector on special orders of department of the analysis, planning and control of the Staff of the Ministry of Internal Affairs on the Republic of Tatarstan, graduated in a military academy of the Ministry of Internal Affairs Kazan legal institute of the Russian Federation, Kazan, Russia*

**Abstract**

In article the available problems of financial instability of the Pension Fund of the Russian Federation connected with shadow employment of the population of the country reveal and on the basis of the analysis of practice of a number of the foreign states offers on their permission are formulated.

**Key words:** financial instability, shadow employment of the population, provision of pensions, mandatory pension insurance.

УДК 378.1

**A SYSTEMATIC APPROACH TO ENSURING INFORMATION SECURITY IN EDUCATIONAL ORGANIZATIONS (ON THE EXAMPLE OF UNIVERSITIES)**

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*Boyakova E.V., Ph.D (in pedagogics), Senior Researcher of the Federal State Budgetary Scientific Institution «Institute of Art Education and Cultural Studies of Russian academy of Education»;*

*Yudushkina O.V., Ph.D (in Philology), Senior Researcher of the Federal State Budgetary Scientific Institution «Institute of Art Education and Cultural Studies of Russian academy of Education», Moscow, Russia*

**Abstract**

The article investigates the effectiveness of the higher education computer networks information security. The author considers the features of this process. It is shown the importance of using the system approach. It is given an overview of system administrators’ main activities in the higher education computer network.

**Key words:** educational organization, information security, network resources, system approach.

УДК 614:621.395

**ABOUT THE SAFETY USE OF MOBILE PHONES**

*Shamigulova A.M., Bilyalova Z.M., Yuskevich O.I., Vasilyev V.A.*

**Abstract**

The impact of mobile phone on the human body, including childhood and teenager bodies, and the effects of such impacts are considered. The results of studies showing the impact of electromagnetic radiation of mobile phones on the occurrence of malignant and benign tumors are presented. The results of studying the possibility of genotoxic effects of active UHF radiation, the impact of pathogenic microorganisms detected on the gadgets, and the effect of the display backlight on the sleep structure are particularly noteworthy. The methods of safety use of mobile phones are recommended and the selection criteria of the most secure phone models based on SAR indicator are substantiated.

**Key words:** electromagnetic radiation (EMR), mobile phone, smartphone, human exposure, cellular communications, Specific absorption rate (SAR), brain cancer, mutations in cells.

УДК 614

**THE ROLE OF THE MORAL COMPONENT OF THE INDIVIDUAL WHILE ENSURING SAFETY IN MEDICINE**

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*Krasilnikov V.I.,**doctor of medical sciences, professor, chief researcher GAUZ "Republican Clinical Hospital of the Ministry of Health of the Republic of Tatarstan", Kazan, Russia*

**Abstract**

The article presents the role of the moral component of a person while ensuring safety in medicine. The main threats that are dangerous for medical in-patient institutions and which affect the safety of medical care are listed. The need to change the role of the moral component of the individual in the problem of countering extremism.

**Key words**: security, personal security, counteraction to extremism and terrorism, morality.

УДК 335

**FACTORS DETERMINING THE MAIN CHARACTERISTICS OF THE COMPLEX OF MEASURES TO COUNTER TERRORISM AND EXTREMISM IN MEDICAL INSTITUTIONS**

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*Aidarov V.I., Candidate of Medical Sciences, Head of the LFK Department, Leading Researcher GAUZ «Republican Clinical Hospital of the Ministry of Health of the Republic of Tatarstan», Kazan, Russia*

**Abstract**

In the article, the authors identify factors that characterize the main characteristics of a set of measures to counter terrorism and extremism in medical institutions. The organization of safe conditions for the treatment of patients in medical institutions has always been considered as a primary task for health care organizers, despite the obvious shortcoming of regulatory and interdepartmental cooperation. The authors proposed a number of criteria for increasing the effectiveness of solving this problem, which would allow this activity to be brought to a higher level.

**Key words:** security organizations, counteraction to terrorism and extremism, medical institutions.

УДК 617.3

**EXPERIENCE OF TREATMENT AND MEDICAL REHABILITATION OF PATIENTS OF TRAUMATOLOGICAL AND ORTHOPEDICAL PROFILE ON THE BASIS OF THE CENTER OF OUT-PATIENT TRAUMATOLOGY AND THE ORTHOPEDICS**

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*Shavaliev R.F., Cand. Med. Sc., Head of the Children's Republican Clinical Hospital of Ministry of Health of the Republic of Tatarstan;*

*Vildanov I.H., Deputy of the Head of the Children's Republican Clinical Hospital of Ministry of Health of the Republic of Tatarstan for polyclinic work, Kazan, Russia*

**Abstract**

For 3 years of work of the Center of out-patient traumatology and orthopedics of Children’s Republican Clinical Hospital of the Ministry of Health of Rebublic of Tatarstan during 2014-2016 102784 patients were recorded. From them 75331 – urgent traumatology, 27453 – an advisory orthopaedics. The accurate tendency to augmentation of children's traumatism in the Republic of Tatarstan becomes perceptible.Treatment and rehabilitation in a day hospital were received by 1787 patients of a traumatologic and orthopaedic profile.

**Key words:** traumatism, fracture, rehabilitation, surgical treatment, out-patient treatment, prophylaxis.

УДК 614.7

**THE ANALYSIS OF THE DYNAMICS OF THE CONTENT OF HARMFUL SUBSTANCES IN THE AIR OF CERTAIN DISTRICTS OF KAZAN IN 2012 – 2014**

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*Stepanova N.Yu., Kazan (Volga region) Federal University, Kazan, Russia*

**Аbstract**

The analysis of the dynamics of the content of pollutantin the atmospheric air of Kazan for the period 2012-2014 is presented. According to monitoring data at the observation posts in the UGMS system for the Republic of Tatarstan. The influence of pollutanton the health of the population is characterized, the content of substances at different times of the day in certain parts of the city is shown, the areas with the most and least favorable state of atmospheric air are identified.

**Key words:** atmospheric air; pollution level; monitoring; road transport.

УДК 614.8

**INNOVATIVE APPROACHES TO THIS TYPE OF THREATS AT BIOLOGICALLY HAZARDOUS SITES**

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*Sibgatulina D.Sh., Associate Professor;*

*Chabanova A.A., a student;*

*Mukhametkhanov A.E., a student at the Department of «Industrial and ecological safety», Kazan National Research Technical University. A.N. Tupolev – KAI, Kazan, Russia*

**Abstract**

Creation of the document «Safety passport of a biologically hazardous facility» is necessary for the subsequent optimization of safety measures and reducing the likelihood of occurrence of emergencies of a sanitary and epidemiological nature. When assessing risks, it is necessary to take into account the situational model of a possible adverse event and the impact of one chain of events on others. That is why the methods proposed in the manual for the compilation of the document «Safety passport of a biologically dangerous object», considering only one initial or final event, give us not a complete picture of the possible consequences. To consider the system as a whole, we propose to use the «Tree structures» method, which allows us to analyze situations within the same tree without losing sight of their interconnection. At the moment, we were unable to find in free access to any document «Safety passport of a biologically dangerous object», which indicates that their development has not yet become widespread. In the modern world, when biological terrorism leads to a conscious spread of infectious diseases and viruses, such as AIDS, leading to a large epidemic, it is necessary to have similar passports to monitor the situation.

**Key words:** danger, risk, risk assessment, risk analysis, event tree, tree bounce, tree structure, biologically dangerous object, infectious diseases, sanitary and epidemiological well-being.

**№3, 2017**

УДК 372.881.111.1

**TEACHER'S BLOG: PRACTICAL USE IN TEACHING ENGLISH**

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*Shelestova O.V. Ph. D. in Philology, senior lecturer of Contrastive Linguistics Department, Institute of Philology and Intercultural Communication, Kazan (Volga region) Federal University, Kazan, Russia*

**Abstract**

This article is devoted to the study of blog technology as a means of forming a foreign language intercultural competence of students. It studies the peculiarities of using a teacher’s blog in the process of teaching English and considers advantages and disadvantages of its application on the basis of experience of applying technology in the 8th and 10th grades of the secondary school.

**Key words:** teacher’s blog,information technologies, EFL, teaching English.

УДК 372.881.111.1

**THE ROLE OF GRAMMAR IN COMMUNICATIVE LANGUAGE TEACHING IN HIGHER EDUCATION INSTITUTIONS**

*Voronina E.B., PhD in Philology, Associate Professor, Department of Foreign languages for Natural Sciences;*

*Glushkova S.Yu., PhD in Philology, Senior Lecturer, Department of Altaic and Chinese Studies Institute of International relations, History and Oriental Studies Kazan (Volga region) Federal University, Kazan, Russia*

**Abstract**

This article is devoted to a very relevant topic – role of grammar in communicative language teaching that is so popular now in most higher education institutions. The history of the topic is discussed, opinions of the leading linguists are given. Some recommendations about how to organize the teaching process are given. The article contains example from a communicative textbook that is used in Kazan Federal University.

**Key words:** pedagogy, teaching, foreign languages, communicative approach, grammar, higher education institution.

УДК372.881.1+81’232

**EVALUATION TESTING AS A MEANS OF TRAINING THE QUALITY OF TRAINING FOR FOREIGN LANGUAGES WITH A COMPETENT APPROACH**

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*Zelenodolsk;*

*Arzhantseva N.V., Ph.D. in Linguistics, Associate Professor, Kazan Federal University, Institute of International Relations, History and Oriental Studies, department of Foreign Languages in the sphere of International Relations (Associate Professor), Kazan, Russia*

**Abstract**

The paper is devoted to the issues of working out the system for assessment of foreign language professional competencies as a means to improve learners’ motivation and the quality of teaching foreign languages. The authors consider the issues of how test assessment appeared in the Russian educational system, consider questions of structure and specificity of test assessment for getting mid-course and end-of-course results of learning a foreign language for professional purposes, benefits and drawbacks of this system. The most widely-spread tools for evaluation or “control” over the quality of language training are tests with their specific structure and which are designed in accordance with the standards of a particular language and the tasks for control over speech activities.

**Key words:** University education, competence approach, teacher of the XXI st century, assessment center, foreign language, quality assessment.

УДК 374.1

**MODERN TECHNOLOGIES AND TRANSFORMATION OF SYSTEM OF EDUCATION**

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*Madyakina N.Yu., Senior Lecturer, Department of Foreign languages for Natural Sciences students, Institute of International relations, History and Oriental Studies, Kazan (Volga region) Federal University, Kazan, Russia*

**Abstract**

This paper is devoted to a hot issue – new approaches of expansion of borders of education in the modern world. Open education is the answer to time calls, expansion of borders and granting equal opportunities for self-education to people of different age and social status in any place, at any time during all life. The advantages of modern open technologies in education are considered in the paper. Authors reveal features of formal and informal training.

**Key words:** pedagogy, education, modern technologies, open learning, informal education

УДК 378.4

**FORMATION OF THE ACTIVITY COMPONENT OF ECOLOGICAL CULTURE OF THE FUTURE** **ENGINEERS**

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*Muravyev G.B., Ph.D. associate Professor, Technical University named after   
A.N. Tupolev – KAI, Kazan, Russia*

**Abstract**

The problem of increase of the effectiveness of ecological training of students of technical specialties of higher schools is determined, firstly, by continuing deterioration of the ecological situation in the world, secondly, by the lack of formation of the activity component of their environmental culture in the engineers-to-be and, accordingly, their lack of preparedness for the implementation of nature conservation professional activity. In this connection, the aim of this study was to find out and substantiate the possibilities of strengthening the practical constituent in the environmental training of technical profile students. The article presents the results of the ascertaining experiment confirming the low level of environmental awareness and activity of the position of future engineers, gives proofs of using such forms of practice-oriented learning activity in their environmental training, as participation in the work of research departments of companies, in ecology-oriented field experience and interdisciplinary research.

**Key words:** environmental training, future engineer, ecological culture, ecological position, ecological activity.

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УДК 378.14.015.62

**THE PROCESS OF PREPARING BACHELORS AND MASTERS IN THE FIELD OF «INTERNATIONAL RELATIONS» IN KAZAN FEDERAL UNIVERSITY IN ACCORDANCE WITH HIGHER EDUCATION FSES**

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*Khismatullina L.G., Ph.D. in Philology, Associate Professor;*

*Garaeva M.R., Senior lecturer of the Department of Foreign Languages in International Relations, Institute of International Relations, History and Oriental Studies, Kazan Federal University, Kazan, Russia*

**Abstract**

The present article examines the influence of modern socio-political and economic trends on the organization of the educational process in higher education institutions, it also considers the transition from the traditional personality-oriented approach to the modular-competence one with the further division of the process of obtaining higher education into two stages: bachelor's and master's degrees.

**Key words:** university education, student, society, teacher of the XXIst century, personality-oriented approach, modular-competence approach, Kazan Federal University, international relations.

УДК-351.862

**FORMING RISK-THINKING IN THE ASPECT**

**REQUIREMENTS OF THE SENDAI PROGRAM**

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*Sibgatova K.I., Associate Professor of the Department of Industrial and Environmental Safety;*

*Khismatova A.T., Master of Science in Industrial and Environmental Safety Chair of the KNITU-KAI them. A.N. Tupolev, Kazan, Russia*

**Abstract**

The authors of the article show that, within the framework of international trends on disaster risk reduction and mitigation of the consequences of emergencies, it is necessary to form a risk-thinking, both for professionals in the field of protection from emergencies and for the population. To solve this problem, it is proposed to use active methods, in particular, role-playing games.

**Key words:** risk-thinking, Sendai program, disaster risk reduction, active methods, situational risk, critical and emergency situations, the criterion of developed risk-thinking, professional reflection.

УДК: 371.8

**ADDITIONAL PROFESSIONAL EDUCATION AS THE FACTOR OF INCREASE OF COMPETITIVENESS OF RUSSIAN UNIVERSITIES**

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*Klepikov A.V., Head of the center, Corporate University of JSC Russian Railways, Moscow, Russia;*

*Ziyatdinova R.M., student, Kazan National Research Technological University, Kazan, Russia*

**Abstract**

The article is devoted to supplementary professional education as the factor of increase of competitiveness of Russian universities. The author analyzes the results of the empirical study, which involved 150 students of the Ural Federal University and employers, concludes that there is a demand for additional professional education programmes both on the part of students and universities, and employers.

**Key words:** further education, University, student, competitiveness, enterprise, lifelong education, the young worker.

УДК 338.22.021.4

**OPTIMIZATION MODELLING IN THE MANAGEMENT**

**OF TRADITIONAL MARKET INDICATORS**

**IN ECONOMIC EDUCATION**

*Popov A.L., candidate of physico-mathematical sciences, associate professor, Ural Federal University named after the first President of Russia B.N. Yeltsin, Ekaterinburg, Russia;*

*Gumerov A.V., Ph.D., Professor, head of Department of «Economics and Manadgment», Leninogorsk branch of FSBEI HE «KRSTU-KAI», Leninogorsk, Russia;*

*Klepikov A.V., Head of the center, Corporate University of JSC Russian Railways, Moscow, Russia*

**Abstract**

The article discusses the education of students in higher educational institutions of Russia, in particular in connection with economic aspects under the direct control of prices, advertising costs, indirect aim of the management profit (cost effectiveness). The author analyzes theoretical bases of the theme, and also gives the results of a logical (formal and substantial) of reasonable research and related computational experiments, testing the developed methods in practice and in educational processes.

**Key words:** market relations, management, principles of economic optimization modeling, economic education.

УДК 378.4

**MANAGEMENT AS A FACTOR IN THE DETERMINATION OF SCIENTIFIC ACTIVITIES IN INSTITUTIONS OF HIGHER EDUCATION**

*Popova N.V., candidate of philosophical sciences, associate professor, Ural Federal University named after the first President of Russia B.N. Yeltsin, Ekaterinburg, Russia;*

*Gumerov A.V., Ph.D., Professor, head of Department of «Economics and Manadgment», Leninogorsk branch of FSBEI HE «KRSTU-KAI», Leninogorsk, Russia;*

*Ziyatdinov A.M., Ph.D., senior lecturer of the Department of «Mechanics and Engineering Technology», Oktyabrsky branch of FSBEI HE «The Ufa State Petroleum Technical University», Oktyabrsky, Russia*

**Abstract**

The article considers issues of determination of scientific activities in institutions of higher education and marketing activities. The author analyzes theoretical sources on the science and assessment of its effectiveness, and the policy of the Ural Federal University in the field of science; makes the conclusion that self-determination of scholars plays a significant role, but the decisive role in the management of scientific activities at universities play external factors: government policy, the development of the manufacturing sector, the implementation of the mechanism of social partnership of business, government and education.

**Key words:** scientific activities, University, high school science, management, factors of determination, efficiency,

УДК 81’243

**THE USE OF NEW INFORMATION TECHNOLOGIES IN TEACHING ENGLISH (IN THE EXAMPLE OF AN ELECTRONIC TEXTBOOK)**

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*Nurgalieva L.A., Candidate of philology, Associate Professor;*

*Motygullina Z.A., Candidate of philology, Associate Professor of the Department of Foreign Languages in the Sphere of International Relations, Institute of International Relations, History and Oriental Studies, Kazan Federal University, Kazan, Russia*

**Abstract**

In recent years, the issue of the use of new information technologies in teaching English has been increasingly raised. This is not only new technical means, but also new forms and methods of teaching, a new approach to the learning process. In the article, an electronic textbook is considered as an IT tool that allows more visual representation of didactic material, for their more effective application in class. The article deals with the issues of the place and effectiveness of using a multimedia electronic textbook for teaching a foreign language.

**Key words:** information technologies, education, electronic textbook, English, teacher, student.

УДК 159.953.5:81’232+316.612

**ECOLOGICAL THINKING DEVELOPMENT THROUGH PROJECT ACTIVITIES IN THE PROCESS OF SECOND LANGUAGE LEARNING**

*Tikhonova N.V., assistant teacher;*

*Matushevskaya G.V., PhD, Associate Professor, Institute of International Relations, History and Oriental Studies, Kazan Federal University, Kazan, Russia*

**Abstract**

Ecological thinking is one of the key professional competences of future ecologists. This paper analyzes the experience of forming students' ecological thinking through project activities in the process of second language studying. The goal of the paper is to demonstrate that professionally oriented projects contribute both to the development of core competences and socially significant qualities of future professionals along with mastering the language skills.

**Кеу words:** education, student, language, teaching, learning, ecological, environment, project, thinking, creative.

УДК 372.881.1+81’232

**THE FEATURES OF TEACHING SWISS GERMAN CULTURAL STUDIES IN THE CONTEXT OF PROFESSIONAL LANGUAGE TRAINING FOR STUDENTS OF INTERNATIONAL RELATIONSHIPS**

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*Ivanova T.K., Dr. Sc., Associate Professor;*

*Kolpakova S.G., Dr. Phil., Senior Lecturer The Department of Foreign Languages for International Relationships, The Institute of International Relationships, History and Oriental studies, Kazan Federal University, Kazan, Russia*

**Abstract**

This paper is devoted to the creation problem of In-depth cultural studies course, which should include a number of social, historical, geographic and political sections where verbal communication is carried out. Proposed course might be of great importance for comprehensive training of future experts in the field of international relationships. The article represents an integrated approach with some didactic examples to the study of aspects such as general cultural knowledge, linguistic features and the language and political situation in German-speaking Switzerland.

**Key words:** University Education, cultural studies, international relationships, language situation, German-speaking Switzerland, integrated approach.

УДК 613.6

**ANALYSIS OF MODERN METHODS OF MECHANICAL CONDITION MONITORING OF THE PIPELINE TO PREVENT ACCIDENTS**

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**Abstract**

The number of accidents on gas and oil pipelines increases each time. Preventive examinations can reduce the accident rate. This article describes and analyzes some methods of investigation of pipelines. From the presented methods has its advantages and disadvantages, so you need to carry out an integrated approach to the control over a condition of gas pipelines. But based on the above comparative analysis of modern methods of monitoring the status of the pipeline were selected acoustic method, which allows to solve the problem of continuous monitoring of technical state of gas pipelines.

**Key words:** crash, pipelines, aerospace monitoring, aerobically method, laser ranging, pipeline, acoustic complex.

УДК 373.2+376.3

**SECURITY ISSUES IN THE ANALYSIS OF THE EFFECTIVENESS OF PEDAGOGICAL ACTIVITY OF THE SPORTS SCHOOL FOR ATHLETICS**

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*Gibadullin R.Z., Kazan State Agrarian University;*

*Vinogradova N.V.,* *methodist;*

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**Аbstract**

In this article, safety issues in the organization of high-level sports have been considered and it involves systematic, long-term, purposeful training and competitions, in the process of which the tasks of achieving the maximum possible sports results and victories at the largest sporting events are solved.

**Key words**: anthropogenic factors of harmful impact on nature, pesticides and mineral fertilizers, emissions of vehicles and enterprises.

УДК 351.74 : 796

**FEATURES THE USE OF VARIOUS TACTICAL INTRODUCTION FOR THE IMPROVEMENT OF THE SKILLS OF DETENTION OF OFFENDERS FROM THE STATE AUTOMOBILE INSPECTION POLICE EMPLOYERS**

*Glazistov A.V., Philosophy Doctor in Pedagogic sciences, Associate Professor of Сhair Fire, physical and tactical and special training branch of Advanced Training Institute of the MIA of Russia in Naberezhnye Chelny, Russia*

**Abstract**

In this article, the author identified topical issues of special physical training of traffic police and the ways to solve them. Article is relevant that in the process of physical fitness it is necessary to generate the traffic police willingness to successful implementation of operational performance and service and combat missions, skillful use of physical force, including combat fighting techniques, by increasing the efficiency of the special physical training.

**Key words:** special physical training, traffic police officers, combat fighting techniques, tactics.

УДК 614

**ANTI-CONFLICT POTENTIAL IS THE BASIS OF SAFETY OF THE PROFESSIONAL COLLECTIVE OF STSI OF THE MOI OF RUSSIA**

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**Abstract**

The subject of the article are questions of acquisition by the traffic police officers of the main professional knowledge and skills in the possession of psychological features of conflict resolution. The article highlights the importance of creating an anti-conflict potential among traffic police officers, since timely and competent resolution of conflict situations helps to reduce violations of discipline and legality, and raise the level of professionalism. The author of the article rightly considers the problem of the lack of conflict training from the traffic police and the lack of leadership in their professional activities methods of diagnosis, resolution and psycho-prevention of conflict situations.

The scientific novelty of the study is that the author of the article considers the components of the professional staff of the State Traffic Safety Inspectorate of the Ministry of Internal Affairs of Russia, and pays special attention to the professional self-awareness and conflict competence of the employees. It is these components, in the author's opinion, that set the system of general professional coordinates and goals, and determine the vector of the focus not only of a single employee, but of the entire collective as a whole.

**Key words:** collective, personality, conflict, self-awareness, competence, psychological climate, anti-conflict potential, conflictological preparation/

УДК 365.4

**SOME QUESTIONS OF SELECTION OF ENTRANCE DOORS**

**AS PHYSICAL BARRIERS PROVIDING SECURITY OF CITIZENS FROM APARTMENTS**

*Zagrebelnaya E.A., Competitor of Belgorod Police Training Institute of the Ministry of the Interior of the Russian Federation;*

*Svistilnikov A.B., Professor of Operative Detective Activity Chair, PhD of the Legal Sciences, docent of Belgorod Police Training Institute of the Ministry of the Interior of the Russian Federation, Belgorod, Russia*

**Abstract**

The article examines individual physical obstacles overcome by criminals when committing apartment thefts. It gives a detailed description of various types of doors and locks, the use of which will prevent a certain number of thefts from apartments in the border regions of the country.

**Key words**: physical barriers, doors, locks, hacking, warning, burglary, crimes.

УДК [796.015:179.7]-057.875

**TRAINING TO THE BASIS OF THE SELF-DEFENSE AS THE UNIFIED CONDITION OF SECURITY OF CITIZENS (ON THE EXAMPLE OF STUDENTS OF HIGH SCHOOL)**

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**Abstract**

The article examined, tested and proposed the forms, means, methods of teaching citizens the basics of self-defense on the example of students of the Orenburg State University. The study showed that the systematic training of students in motor skills and self-defense skills on the basis of hand-to-hand fighting techniques, as well as the use of means of civil self-defense, makes it possible to increase the level of practical readiness of young people to physically protect their civil rights and freedoms. The conduct of moral and psychological training, civil-legal education contributes not only to raising the legal literacy and moral psychological preparedness for actions in extreme situations related to self-defense, but also contribute to increasing their social responsibility, as well as willingness to come to the aid of fellow citizens, in cases when In respect of them, an offense is committed. This work helps young people to understand the essence and significance of public safety, promotes physical education, education of citizenship, self-confidence, forms habits of safe conduct, respect for public order and law enforcement. The role of universities as social institutions in the development of public security and civil society is increasing, in involving students in a healthy lifestyle, in physical exercises aimed at the benefit. The author gives recommendations on the introduction of this work in other institutions and organizations.

**Key words:** self-defense, necessary defense, physical readiness, legal education, public safety, students.

УДК 658.5

**INCREASE OF RELIABILITY OF WATER SUPPLY OF AN INDUSTRIAL ENTERPRISE WITH THE HELP OF THE HARDWARE AND SOFTWARE COMPLEX «SAFE CITY»**

*Muravyova E.V., Head of the Department «Industrial and Environmental Safety»;*

*Stepushchenko O.A., Deputy Minister for Civil Defense and Emergencies, Head of the Department of Defense in Emergency Situations;*

*Romanovsky V.L., Ph.D., Professor of the Department «Industrial and Environmental Safety»;*

*Ikina A.A., a student of the department «Industrial and environmental safety», Kazan National Research Technical University. A.N. Tupolev – KAI, Kazan, Russia*

**Abstract**

The use of water for cooling has a scale that far exceeds the scale of all other types of water consumption, and the share of this category in the total volume of industrial water supply continues to grow.

It is very important to ensure sufficient reliability of industrial water supply systems. A number of enterprises do not allow not only a break (even a short-term) in the supply of water, but also any reduction in supply. Violation of the established mode of water supply can lead to serious equipment accidents, causing great material and social damage.

**Key words**: water supply, «Tree structures» method, safety, quantitative analysis, risk, acceptable risk, accident, threat, monitoring, warning and information systems, pipeline networks.

УДК 614

**SOCIAL ADVERTISEMENT ON ROAD TRAFFIC SAFETY FOR CHILDREN AND ADOLESCENTS**

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**Abstract**

In his article, the author refers to the creation and utilization of social advertising in the field of road safety for children and adolescents. It is in childhood when values are formed, which determine the personal characteristics of the person. In this case, social promotion may be one of the factors of influence of society on the formation of important personal and behavioral child's priorities, in particular in the field of road safety.

**Key words:** children's social advertising, the effectiveness, prevention of child road traffic injuries, public awareness, promotion of road safety.

УДК 13:316

**SOCIAL PARTNERSHIP OF PUBLIC ENTITIES IN THE FIELD OF YOUTH WORK AS A CONDITION OF SECURITY OF THE REAL SECTOR OF THE ECONOMY**

*Popova N.V., candidate of philosophical sciences, associate professor, Ural Federal University named after the first President of Russia B.N. Yeltsin, Ekaterinburg, Russia;*

*Ziyatdinov A.M., Ph.D., senior lecturer of the Department of «Mechanics and Engineering Technology», Oktyabrsky branch of FSBEI HE «The Ufa State Petroleum Technical University», Oktyabrsky, Russia;*

*Ziyatdinova R.M., student, Kazan National Research Technological University, Kazan, Russia*

**Abstract**

The article discusses problemy social partnership in the sphere of youth work in the real sector of economy on the example of Sverdlovsk region. Sverdlovsk region is a developed industrial and working youth here is the most numerous. The author analyzes the results of the survey of 1,000 young workers development of social partnership and satisfaction with the terms of the employment contract, concludes on the necessity of improving the mechanism of social partnership in industrial enterprises in the region to support young people.

**Key words:** social partnership, public entities, security, real economy, enterprise, collective agreement, youth program, a young worker.

УДК 656

**ACCOUNTING ISSUES ROAD ACCIDENTS**

**IN AUTOMATED SYSTEMS DIVISIONS OF THE TRAFFIC POLICE**

*Khayrullin R.R., senior lecturer the Department of special disciplines VIPK branch of the Russian Interior Ministry, police major, Naberezhnye Chelny, Russia*

**Abstract**

The article discusses the characteristics of road accidents in the Automated information management system of the state traffic Inspectorate, as a means of ensuring road safety.

**Key words:** traffic accident, record card of the accident, the traffic police, accounting, collection.

УДК 681.121.4+676.1

**SAFE METHODS OF TESTING OF VORTEX FLOWMETERS TO THE PULP AND PAPER INDUSTRY**

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*Lurie OM, Ph.D., Associate Professor;*

*Frolov AS, Ph.D., Associate Professor of the Automation of Production Processes Department of the Siberian State University of Science and Technology named after M.F. Reshetnev, Krasnoyarsk, Russia*

**Abstract**

The article considers a safe method of testing submersible vortex flowmeters, based on imitation of hydrodynamic processes in the measuring channel of the flowmeter on a special bench. This approach excludes the use of expensive and complex pouring installations, the operation of which involves certain dangerous factors. Based on the study of the nature of fluid motion in the measuring channel of the flowmeter by numerical simulation, a method is proposed for maximally approximating the hydrodynamic processes at the simulation stand in processes in a real pipeline.

**Key words:** vortex flowmeter; simulation; error.

**№4, 2017**

УДК 372.3+614.862-864

**ANALYSIS AS A RESEARCH METHOD READINESS OF CHILDREN OF THE SENIOR PRESCHOOL AGE TO COMPLIANCE WITH SAFE BEHAVIORAL RULES ON THE ROADS**

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**Abstract**

The article suggests a method for determining the readiness of children of senior preschool age to observe the rules of safe behavior on the roads. The contents of a specially developed questionnaire for determining the readiness of children of senior preschool age to observe the rules of safe behavior on the roads are described. Instructions for applying the questionnaire and interpreting the results of the study are given.

**Key words:** readiness, rules of safe behavior on the roads, children of senior preschool age, monitoring, questionnaires, competences, Federal state standard of pre-school education.

УДК 378

**CONCEPTUAL BASES OF INTEGRATION OF FORMATION OF ENTERPRISE CULTURE OF FUTURE ENGINEER INTO PROCESS OF HIS VOCATIONAL TRAINING**

*Gatiyatullin M.H., doctor of pedagogical sciences, Professor of Kazan state University of architecture and construction;*

*Aukhatshin I.G, graduate student of Kazan state University of architecture and construction, Kazan, Russia*

**Abstract**

The urgent of the considered problem is caused by the modern level of engineering pedagogics in which conceptual provisions of integration of process of formation of enterprise culture into process of vocational training of future engineers are poorly studied. This article is just devoted to development of the conceptual ideas, methodological approaches and the principles of integration of formation of enterprise culture into vocational training of the engineer of the motor transportation sphere in the conditions of technical college.

**Key words:** University Education, integration, conceptual provisions, formation, enterprise culture, principles, integrated approach.

УДК 377

**THE COMPARATIVE ANALYSIS OF EDUCATION, PROFESSIONAL REQUIREMENTS AND THE STANDARD SPECIFICATION WHEN DEVELOPING CONTENT OF DISCIPLINES OF THE PROFESSIONAL CYCLE**

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*Parfenov A.V., teacher of the highest category, Zelenodolsk mechanical college, Zelenodolsk, Russia*

**Abstract**

In article the problem of design of maintenance of subject matters of a professional cycle in the conditions of the praktiko-focused direction of training of students is covered. Authors carry out the comparative analysis of requirements of the educational standard to knowledge, abilities, practical experience and competences with requirements of the professional standard and the standard WorldSkills Russia specification. Recommendations about completion in the maintenance of the gaps revealed within the comparative analysis of various standards for all-professional discipline of «A programming basis» are made.

**Key words:**educational standard, professional standard, WorldSkills Russia standard, development of contents, comparative analysis, programming bases.

УДК 377.5

**CRITERIAL INDICATORS OF THE EDUCATIONAL ENVIRONMENT SAFETY IN THE CONDITIONS OF SECONDARY PROFESSIONAL EDUCATION**

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**Abstract**

The article presents a results of the research on the problem of fulfilling duties on the formation of a safe educational environment by the staff of the secondary professional education. In addition, an analysis of universally recognized criteria and indicators of the safety of the educational environment, developed for the institutions of the education system. The author developed his own criterial indicators of this construct: infrastructural, valeological, personal, socio-psychological and informational. These indicators most fully reveal the structure of the security of the educational environment in institutions of secondary professional education.

**Key words:** educational environment, safety of the educational environment, secondary professional education, criteria.

УДК ‏ㅤ 37.036.5

**DEVELOPMENT ‏ㅤ OF ‏ㅤ MUSICAL ‏ㅤ ABILITIES ‏ㅤ OF ‏ㅤ CHILDREN ‏ㅤ OF ‏ㅤ PRESCHOOL ‏ㅤ AGE**

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*Mubarakova ‏ㅤ F.N., a ‏ㅤ teacher ‏ㅤ of ‏ㅤ choral ‏ㅤ disciplines Municipal ‏ㅤ budget ‏ㅤ institution ‏ㅤ of ‏ㅤ additional ‏ㅤ education ‏ㅤ «Children's ‏ㅤ music ‏ㅤ school ‏ㅤ №1 the ‏ㅤ Kirov ‏ㅤ area» the ‏ㅤ city ‏ㅤ of ‏ㅤ Kazan;*

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**Abstract**

Music ‏ㅤ as ‏ㅤ an ‏ㅤ art ‏ㅤ form ‏ㅤ opens ‏ㅤ a ‏ㅤ child ‏ㅤ the ‏ㅤ opportunity ‏ㅤ to ‏ㅤ explore ‏ㅤ the ‏ㅤ world ‏ㅤ and ‏ㅤ in ‏ㅤ the ‏ㅤ process ‏ㅤ of ‏ㅤ cognition ‏ㅤ to ‏ㅤ evolve. Modern ‏ㅤ research ‏ㅤ suggests ‏ㅤ that ‏ㅤ to ‏ㅤ develop ‏ㅤ musical ‏ㅤ abilities, form ‏ㅤ the ‏ㅤ foundations ‏ㅤ of ‏ㅤ musical ‏ㅤ culture ‏ㅤ from ‏ㅤ early ‏ㅤ childhood. Musical ‏ㅤ abilities ‏ㅤ are ‏ㅤ a ‏ㅤ relatively ‏ㅤ independent ‏ㅤ set ‏ㅤ of ‏ㅤ individually-psychological ‏ㅤ characteristics ‏ㅤ and ‏ㅤ their ‏ㅤ development ‏ㅤ occurs ‏ㅤ at ‏ㅤ different ‏ㅤ ages. In ‏ㅤ the ‏ㅤ period ‏ㅤ of ‏ㅤ preschool ‏ㅤ age ‏ㅤ children ‏ㅤ to ‏ㅤ develop ‏ㅤ speech, understanding ‏ㅤ and ‏ㅤ imagination, focus ‏ㅤ and ‏ㅤ memory, thinking, feelings, emotions ‏ㅤ and ‏ㅤ imagination.

**Key ‏ㅤ words:** ability, musical ‏ㅤ ability, perception ‏ㅤ of ‏ㅤ music, performance, additional ‏ㅤ musical ‏ㅤ education.

УДК 37.01

**PATRIOTIC EDUCATION OF EMPLOYEES OF ORGANS OF INTERNAL AFFAIRS: TABLE OF CONTENTS AND SPECIFIC OF WORK**

*Loseva V.V., VIPK of MVD of Russia;*

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**Abstract**

In the prism of issue of the day of realities (problems of patriotic education of employees of organs of internal affairs (OVD) in the conditions of Republic Tatarstan) authors examine a concept «patriotism» in the context of spiritual-moral dominant of civil culture of educated. Analysing the ways of decision of the probed problem in the teoretiko-practical key, teachers-researchers suggest to use in an informative-educate space the method of productive combination of traditional and.

**Key words:** patriotic education, employees of organs of internal affairs.

УДК 378

**FOREIGN PEDAGOGICAL EXPERIENCE POTENTIAL IN FOREIGN LANGUAGE TRAINING OF HIGHER SCHOOL STUDENTS**

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**Abstract**

The article deals with comparative study of teaching experience in different countries, which will enable the most favorable education system within the scale of Russia. The author considers the development of communicative-oriented approach, from the communicative-oriented method to the formation of the communicative learning system, and, in particular, describes the significance of the American communicative theory; major characteristics of cooperative learning are presented. The article characterizes the conditions for successful mastering of foreign languages in European countries, reveals the difference between the British education system and the Russian one, and notes the need for a common European information exchange system on the practical study of foreign languages and the theoretical studies in this field. The paper examines the importance of distance education and online learning, transmits the essence of the modular teaching as foreign experience in language training of university students.

Modular training lets students build educational material so that its sections are not independent of each other; this fact allows creating and supplementing the educational material without violating its unity. An important feature of modular training is also the fact that students can work independently with the individual curriculum the university offers, which includes a bank of information and a methodical guide.

**Key words:** university, student, foreign training practices, foreign language training, cooperative learning, online education, modular training.

УДК 13.00.00

**THE FORMATION OF INTEGRATIVE SKILLS IN THE GAME FORM OF STUDENTS LEARNING**

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*Linyuchkina E.G., senior lecturer Institute of International Relations, History and Oriental Studies Kazan Federal University, Kazan, Russia*

**Abstract**

This article is devoted to the use of the game form training with the purpose of formation of critical thinking among students of higher educational institutions. The educational games in student teams not only include a large number of examples from different spheres of life in teaching students critical thinking, increase cognitive activity of the individual, but also overcome the psychological barriers in dealing with different people, improve their personal qualities.

**Keу words:**integrative skills, game-based learning, critical thinking, team, game.

УДК 378.4

**THE HIGHER EDUCATION SYSTEM: QUESTIONS OF REALIZATION OF YOUTH POLICY**

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*Osipchukova E.V., candidate of Pedagogical sciences, Associate Professor, Department of Work Organization with Youth, Ural Federal University named after the first President of Russia B.N. Yeltsin, Ekaterinburg;*

*Gumerov A.V., doctor of Economics, Professor, head of Department «Economics and management», branch of the «KAZAN national research technical University. A. N. Tupolev – KAI», Leninogorsk, Russia*

*Ziyatdinov A.M., Ph.D., senior lecturer of the Department of «Mechanics and Engineering Technology», Oktyabrsky branch of FSBEI HE «The Ufa State Petroleum Technical University», Russia*

**Abstract**

The article is devoted to the relationship of higher education systems and the implementation of the state youth policy. The authors attempted to use the competence-based approach in their comparative analysis, and concluded that the education system as an institution of socialization and competitiveness of a specialist must be open to the participation of youth in implementation of government policy.

**Key words:** the system of higher education, students, national youth policy, competence approach, analysis.

УДК 378.1

**MODELING OF SELF-EDUCATIONAL ACTIVITY OF UNIVERSITY STUDENTS IN THE PROCESS OF FOREIGN LANGUAGES TEACHING USING MODERN EDUCATIONAL TECHNOLOGIES**

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*Nazmieva E.I., candidate of pedagogical sciences, docent;*

*Andreeva E.A., candidate of philological sciences, docent, Kazan Federal University, Institute of International Relations, History and Oriental Studies, associate professor of the department of foreign languages for the social-humanitarian sphere, Kazan, Russia*

**Abstract**

In terms of integration of Russian education into the global educational space, special attention is focused on the need to develop the skills of self-education of university students, as the main condition for achieving the students' professional competence is their involvement in self-education activity. The author analyses the problem of modeling self-educational activity of university students in the process of foreign languages teaching using modern educational technologies. Modeling of self-educational activity of university students is considered by the author in terms of systemic, student-centered and competence-based approaches. The author presented a definition of the term "self-education"; revealed the content of the components of the self-educational activity of university students in the process of foreign language teaching, namely: the motivational, orientational, activity and reflexive components; justified a comprehensive use of educational technologies, methods, forms and means for the effective development of self-educational activity of university students in the process of teaching foreign languages.

**Key words:** student, university, modeling, self-education, foreign language learning, educational technology.

УДК 372.881.111.1

**CREATION OF A FAVORABLE MOTIVATION ENVIRONMENT FOR TRAINING FOREIGN LANGUAGES**

**IN TECHNICAL HIGHER EDUCATION**

*Khafizova A.A., PhD, Associate Professor, Institute of International Relations, History and Oriental Studies, Kazan Federal University, Kazan, Russia*

**Abstract**

The article studies a set of instructional techniques applied in foreign language teaching which positively influence the formation of motivation at students studying at technical educational profile. The experience of creation of favourable motivation environment due to the application of project-based teaching at the lessons of the English language in technical higher institution is analyzed.

**Key words:** education, methods, approach, foreign language, project-based teaching.

УДК 378

**PEDAGOGICAL TECHNOLOGY AND PRACTICE IN THE PROFESSIONAL TRAINING OF FUTURE TEACHERS FOR NATIONAL EDUCATIONAL ORGANIZATIONS IN KFU**

*Khuziakhmetov A.N., Ph.D., Professor, Head of the Department of Methodology of Education and Upbringing;*

*Yarullin I.F., Ph.D., Associate Professor of the Methodology of Education and Upbringing Department;*

*Nasibullov R.R., Ph.D., associate professor of the methodology of teaching and upbringing of the Institute of Psychology and Education of Kazan (Privolzhsky) Federal University, Kazan, Russia*

**Abstract**

The professional training of pedagogical personnel within the walls of higher education for the educational organizations of our republic is considered in the article, and also gives methodological bases, principles of construction, content, technologies and methods of teaching, education and socialization of students.

**Key words:** student, professional training, higher education, technologies, educational organization.

УДК 338

**RUSSIA’S PARTICIPATION IN INTERNATIONAL LABOUR MIGRATION: PROBLEMS AND CONTRADICTIONS**

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*Sakhapov R.L., doctor of technical sciences, professor, Head of Department «Road Construction Machinery» Kazan State University of Architecture and Engineering;*

*Petrova N.N., PhD, Associate Professor, Kazan National Research Technical University, Kazan, Russia*

**Abstract**

The article is devoted to the problem of Russia's participation in labor migration. Analysis of statistical data made it possible to identify the main trends in the development of labor migration, to assess its socio-economic consequences, which threaten Russia's economic security. Particular attention is paid to migration of emigration of highly qualified specialists from the country and its consequences.

**Key words:** labor migration, «brain drain», labor-exporting countries, labor-importing countries.

УДК 331.45

**THE ROLE OF VISUAL AIDS AND DISPLAYS IN PROMOTING WORKPLACE HEALTH AND SAFETY**

*Vasilyev V.A., senior lecturer;*

*Bilyalova Z.M., doctor of technical science, associate prof.;*

*Yuskevitch O.P., doctor of technical science, associate prof., Kazan State Energy University, Kazan, Russia*

**Abstract**

Modern conditions of development of the society make an increase in technospheric safety essential. Along with other methods and means of emergency management, the necessity and benefits of using various symbols are also considered. The complete definition of the term «symbol» is given; its significance and role in human evolution, its development and use of symbology in safety management in various spheres of human life are explained. The work deals with the aims, tasks and peculiarities of symbolic encoding of information using signs and colours in order to prevent, forbid and assign certain activities so as to ensure safety, including industrial and road safety. There are also examples of using special safety management symbols.

**Key words:** technosphere, danger, health and safety, symbol, sign, colour, environment.

УДК 378

**KEY ASPECTS OF STRENGTHENING TRAFFIC DISCIPLINE EMPLOYEES OF INTERNAL AFFAIRS BODIES**

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*Smorodina V.A., PhD V., Associate Professor of the Department of personnel management and educational work Saint-Petersburg University of MIA of Russia*

**Abstract**

In the article the problems and prospects of strengthening road traffic discipline in the internal Affairs bodies of the MIA of Russia

**Key words:** security traffic accident, discipline, prevention, organizational and pedagogical conditions.

УДК574.22

**ACTUAL PROBLEMS OF POLLUTION OF SURFACE SOIL HORIZONS PARKS TURNOVER PASSENGER TRAINS**

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*Grishina E.A., a student of the «Russian University of transport (MIIT RUTH)»;*

*Grishina V.E., senior lecturer of the Department «Technosphere safety» of the «Russian University of transport (MIIT RUTH)»;*

*Klepikov A.V., head of the center, Corporate University of JSC Russian Railways, Moscow, Russia*

**Abstract**

Rail transport is one of the most environmentally friendly modes of transport. It is believed that the contribution of JSC «RZD» in the total pollution of Russia makes 1%. The main environmental risks of the company JSC «RZD» related to the negative impact of the company's facilities on the environment, including the operation of passenger rolling stock, the use of natural resources, including nonrenewable. Very serious is the question of pollution – the «savings yesteryear», which have a negative impact on the environment and working conditions of employees. In цﹶелях обﹶеспﹶечﹶения бﹶезопасных working conditions in the work the analysis of the sanitary condition of the soil of the Park ABATOR passenger trains.

**Key words:** soils, microorganisms, passenger trains, working conditions, toilets.

УДК 656

**PROVIDING THE SAFETY DURING USING ROAD**

**COSTRUCTION MACHINTRY**

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*Petrov A.V., student group 5DM01, Kazan State University of Architecture and Engineering,* *Kazan, Russia*

**Abstract**

There is exploration of the problem of the providing the safety during using road construction machinery in this work. There are constructive methods of the improving reliability and safety during using road construction machinery.

**Key words:** safety, reliability, constructive methods, malfunctions.

УДК 656.13

**THE IMPACT OF ECONOMIC DEVELOPMENT ON THE LEVEL OF ROAD SAFETY**

*Nikolaeva R.V., Candidate of Engineering Sciences, Senior Lecturer, Kazan State University of Architecture and Engineering,* *Kazan, Russia*

**Abstract**

The article considers influence of economic development on road safety. The main problem of the transport sector are accidents that are associated with large costs to the economy. Today it is economically important to justify the choice of measures to improve road safety. The impact of economic development on road safety is considered on the example of the Republic of Tatarstan. We investigated the relationship between number of accidents and average number of employees in the economy of the Republic, as well as the relationship between traffic fatalities and socio-economic damage as a result of their death. In the article the economic aspects of management of traffic safety in road transport by an integrated approach.

**Key words:** traffic accident, the country's economy, gross regional product, population, road safety, socio-economic damage.

УДК 343.32

**TO THE QUESTION OF SAFETY**

**CREDIT FINANCIAL SYSTEM OF RUSSIA**

**FROM FALSE-EMISSIONS**

*Svistilnikov A.B., Professor of Operative Detective Activity Chair, PhD of the Legal Sciences, docent Putilin Belgorod Law Institute of Ministry of the Interior of Russia;*

*Chinenov A.V., Putilin Belgorod Law Institute of Ministry of the Interior of Russia, Belgorod, Russia*

**Abstract**

The article examines the issues of ensuring the security of the Russian credit and financial system from persons engaged in illegal activities connected with the manufacture, storage, transportation or sale of counterfeit money or securities. The dynamics of committed crimes on the territory of the Russian Federation and the Belgorod region are considered. Specific security measures are proposed aimed at preventing crime related to counterfeiting ways to prevent, prevent and solve crimes of this category.

**Key words**: counterfeiting, financial and credit system, money, securities, currency, crime in the sphere of economy.

УДК 378.6

**LIFE SAFETY OF THE SPECIALIST IN TRANSLATION IN THE FOCUS OF THE PROFESSIONAL CULTURE**

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*Kharitonova N.V., PhD in Philology, Plekhanov Russian University of Economics Saratov Socio-Economic Institute (branch), Saratov, Russia*

**Abstract**

The present paper is focused on the professional culture development in the process of teaching of a specialist in translation. The relations between different sides of professional culture and life safety are under analysis; culturogenic competences influencing the ability of providing life safety are defined.

**Key words:** life safety, professional culture, professional education in translation, culturogenic competence.

УДК 656

**PROBLEMS OF PROVIDING PERSONAL SAFETY MEASURESIN THE PERFORMANCE OF SERVICE BY THE STATETRAFFIC INSPECTORATE**

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**Abstract**

In this article the analysis of problem situations, to ensure personal safety in the performance of duty the inspectors of the road patrol service of traffic police of the MIA of Russia and proposals to improve the educational process within the professional service training.

**Key words:** the state traffic Inspectorate, a measure of personal security, the use of firearms, pursuit of a vehicle.

УДК 656

**METHODS AND PECULIARITIES OF DETENTION OF OFFENSES IN VEHICLE, EMPLOYEES OF GOSAVTOINSPECTION MIA OF RUSSIA**

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**Abstract**

This article deals with the problem related to the methods and peculiarities of detaining offenders who are in the vehicle by officers of the State Traffic Police. To date, this problem is particularly relevant, since the detention of criminals by police officers is associated with the possible use of physical force, special means and firearms.

The author of the article considers previously known methods of detaining criminals and the possibility of using new, non-armed Russian police, analyzed the theoretical basis on the bases of the tactics of detention; Examined and submitted for consideration new ways to detain a criminal who is in a vehicle.

**Key words:** detention, harassment, vehicle, special means, stop, offender, tactical methods.

УДК 364.04

**EXPERIENCE OF KAZAN VOLUNTEER CENTER "HATIKVA", A CENTER OF INTERNATIONAL VOLUNTEER NETWORK FSU**

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**Abstract**

The article examines general questions of volunteer movement and describes the cooperation between Kazan volunteer center and the children's palliative care center.

**Key words:** volunteering, palliative care center, help to children.

УДК [656.073.5](https://teacode.com/online/udc/65/656.073.5.html)

**EXPERIENCE OF APPLICATION OF PIEZOELECTRIC AND STRAIN SENSORS FOR AUTOMATIC WEIGHT CONTROL IN THE REPUBLIC OF TATARSTAN**

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**Abstract**

The article considers problems of development and exploitation of automated systems of weight control. It analyzes systems based on piezoelectric and tensometric sensors.

**Key words:** automated systems of weight control, piezoelectric sensors, tensometric sensors.

УДК 656.01

**THE DYNAMICS OF DEVELOPMENT OF DRIVERLESS TECHNOLOGIES AS ONE OF ITS ELEMENTS IN EUROPEAN UNION COUNTRIES**

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**Abstract**

The article considers the importance of driverless technologies as an element of future transport infrastructure. As the base of scientific investigation the article offers the European experience, presented at European and World Congresses for intelligent transport systems (ITS). The article analyses the topical contents of ITS Congresses during 2012-2018, underlines the dynamics of developing of driverless technologies from connected to fully automated systems.

**Key words:** automated systems, Ertico, ITS.