

Summaries 6-2013

Modernization practice

GRIGORIEV S.N., ELENEVA YU. YA. PERSONNEL TRAINING FOR THE DEFENSE-INDUSTRIAL COMPLEX OF RUSSIA: PROBLEMS AND WAYS OF THEIR SOLUTION

In this article the key problems of personnel development in the sphere of the defense-industrial complex of the Russian Federation are treated in accordance with all participants of the development process of defense industry human resources. The system of first-priority, tactic and strategic arrangements aimed at improvement of defense industry personnel training and retraining is also provided. The concept of educational clusters is proposed as one of the directions of development of the defense-industrial personnel potential. The empirical data is obtained from MSTU "STANKIN" experience and the research carried out by Russian Engineering Union in 2012.

Keywords: development of the defense-industrial complex of the Russian Federation, personnel potential development, personnel training and retraining, programs of additional professional education, educational clusters, centers of competencies integration

AFANASIEV D.V., GRYZLOV V.S. COMPETENCE APPROACH AND A CREDIT-MODULAR SYSTEM OF TRAINING

The paper offers a variant of implementing a competence approach within a credit-modular system of training in accordance with the Federal State Educational Standards (FSES). As an example, it presents a logical consequence of forming general cultural and professional competences in the major 270800 "Construction" through a set of academic, calendar and discipline modules. A variant of evaluating competences is offered, as well as the curriculum modular structure.

Keywords: professional skills, competences, modules, competence-based approach, credit-modular structure, curriculum, academic module, calendar module, discipline module, competences evaluation

KORCHAGIN E.A., SAFIN R.S. INTEGRATION AS A BASIS OF DEGREE-ORIENTED EDUCATION IN SCIENTIFIC-EDUCATIONAL CLUSTER

The article considers a curricula content and its role in an integration process within a scientific-educational cluster. The principles of multilevel education are defined. The interaction factors within the education levels and their influence on the integration process are reflected. The model of the education system based on the scientific-educational cluster is proposed. There is also discussed a problem of implementing the coherent curricula of participating educational institutions.

Keywords: higher education institutions, degree-oriented professional education, scientific-educational cluster, integration of vocational education levels, coherent curricula, practice-oriented vocational education, model of a shortcut training of specialists

Traditions and innovations in engineering pedagogy

PRIKHODKO V.M., SOLOVYEV A.N. IGIP AND THE OF ENGINEERING EDUCATION IN RUSSIA AND IN THE WORLD

The paper presents the basic directions of modernization IGIP curriculum for training and professional development of teachers of engineering universities, which were approved at a meeting of the Executive Committee of the International Society for Engineering Education IGIP March 13, 2013. We comment this modernization from the point of view of the global state of engineering education, and the features of using the updated plan in parallel with modernization of higher education in Russia.

Keywords: International Society for Engineering Education (IGIP), IGIP curriculum, training and professional development of teachers of engineering universities

VERBITSKY A.A., PUCHKOVA E.B. THE POTENTIAL OF TESTS AS A MEANS OF EDUCATION QUALITY DIAGNOSTICS: MYTHS AND REALITY

The article is devoted to an analysis of potential of pedagogical and psychological tests used as one of the means of complex diagnostics of competence level of the students seeking for a bachelor's

degree. The article also reveals the essence of a principally new type of test aimed at checking teaching material comprehension. It also describes the results of using psychological tests to assess students' general culture competence at Sholokhov Moscow State University for Humanities.

Keywords: diagnostics of the education quality, pedagogical tests, diagnostics of competence level, psychological tests for general culture competence estimation, comprehension test, validity and reliability of a test

ZHURAKOVSKY V.M. PRINCIPLES OF PROJECT MANAGEMENT IN DEVELOPMENT OF RESEARCH AND EDUCATIONAL ACTIVITIES IN THE LEADING RUSSIAN UNIVERSITIES

The article focuses on the results of the project management principles implementation in the realization of the development programs at the leading Russian universities. The experience in the sphere of scientific and educational activities management within the network of federal and national research universities is considered.

Keywords: national project "Education", leading university, university development program, policy-making and target university management, project management

SHESTAK N.V., SHESTAK V.P. PROFILE PEDAGOGY AND MODERN EDUCATION

So far as pedagogy is an applied science, profile pedagogy is a «doubled» applied science. Its function is to solve some special tasks, which appear during the organization of education or training in the chosen branch of professional activity. First of all, this relates to the realization of competence approach. Characteristics and problems of medical pedagogy are examined in this article by analogy with engineering pedagogy.

Keywords: higher education pedagogy, profile pedagogy, professional activities, competence approach, medical education, medical pedagogy

University life

KARAMURZOV B.S. A REGIONAL UNIVERSITY IN MODERN RUSSIA

The article shows that the national interests of Russia require an active policy for the development of regional universities because of their role in solving the basic problems of the country such as the consolidation and modernization of the Russian society.

Keywords: regional university, regional policy, modernization of education, university as a center of science and culture, youth policy, the Russian national identity

SAVINTSEV P.A. REGIONAL UNIVERSITY AS A CENTER OF SCIENCE

The author analyses the forms and mechanisms of the determination of the scientific research activity of a regional university functioning in the multicultural society (in the Kabardino-Balkar Republic as the example). The article reveals that in contemporary science and contemporary Russia most of the problems existing in the humanities that are traditionally referred (and refer) to the "local and insignificant" ones become urgent issues of national and global importance.

Keywords: classical university, regional university, university mission, scientific and educational activity, university as a regional center of science

KUZMINOV P.A., KUMYKOV A.M., DZAMIKHOV K.F. THE REGIONAL HISTORIOGRAPHY IN THE SYSTEM OF RUSSIAN UNIVERSITY SCIENCE

The problem of the development of Russian regional historiography, the role and place of the university science in its development are under discussion. The article reveals that modern Russian regional historiography requires systematic attention of Federal authorities for education and science.

Keywords: historiography, regional historiography, regional historiography of the Russian South and North Caucasus, methodology of humanities, ethnocentrism, Russian identity

TKHAGAPSOEV H.G. COMPETENCY-BASED EDUCATION: TO THE PROBLEM OF IMPLEMENTATION

The paper is devoted to a competency-based organization of university education in the country. It is shown that theoretical and methodological support of this innovative direction lags behind the

needs of real practice, and this has already led to serious flaws in the federal state standards of the higher professional education of the third generation.

Keywords: competence, competency-based education, general cultural competence, professional competences, education quality, paradigm of education

GELYAEVA A.I., KREMSHOKALOVA M. CH. ABOUT INTER-UNIVERSITY COOPERATION IN CULTUROLOGICAL STUDIES

The paper is focused on the significance of cross-cultural research in the context of formation of the Russian identity and the special role of regional higher school science in this field. It points the apparent inconsistency of the existing forms and levels of inter-university cooperation of humanitarian studies with the challenges of time and demands of Russia's development towards consolidation of the society and cultural and technological ascension.

Keywords: culturology, regional university, identity, cross-cultural study, education strategy, multicultural sphere, scientific potential

KUMYSHEVA R.M. EDUCATIONAL MICROENVIRONMENT AT THE CLASSICAL UNIVERSITY

The article contains the structural and functional analysis of the educational microenvironment at the university. By the example of the medical faculty there is shown its role in the transformation of students' educational activities into their living space and real practice.

Keywords: outside world, inner world, educational environment, subject of the educational environment, educational micro-environment, "space and object" component of the educational environment, activity component of the educational environment

KOCHESOKOV R. KH., MAMSIROV KH. B., DYMOV E.M. FACETS OF CLASSICAL UNIVERSITY: ALEXANDR SOKUROV' ART SCHOOL IN KBSU

The article examines the role and forms of being of social and humanitarian science in contemporary classical university. By the example of cinema as a synthetic art it is shown how the problem of "two cultures" synthesis and the dialog of cultures can be solved.

Keywords: classical university, natural sciences, social and humanitarian sciences, problem of "two cultures", dialogue of cultures, cinema, cinema as a form of culture

Sociology of education

SAGANENKO G.I. RUSSIAN HIGHER EDUCATION PROBLEMS THROUGH THE COMPARATIVE ANALYSIS OF JOURNAL PUBLICATIONS FROM 2011 TO 2012

Our task consists in finding specific features of a social situation with Russian higher education through a certain resource of problems actualization. Namely, the substantial subjects of two full arrays of titles of the articles of the «Higher Education in Russia» journal relating to 2011 and to 2012 are considered in the comparative coordinates. The authors of these publications are mainly the teachers in higher education institutions, respectively, through the representations of this category of people it is possible to reveal the significant problems of Russian education.

The title of the publication, which usually contains the keywords, can be viewed as the most condensed form of its summary. The analyzed sets contain, respectively, 291 and 262 single titles of publications, in these sets there were used 1728 and 1530 words, an each set contained 671 and 587 «unique» words, respectively.

The work was carried out with information arrays within the analytical modules of the "VEGA" computer program providing creation of databases, a set of ways of texts systematization, qualitative and quantitative analysis, convenient dictionaries. Permutation, alphabetic and frequency dictionaries were used.

This work was carried out for the purpose of comparison of two «social products» - two annual information arrays of the journal titles for revealing of significant social characteristics of modern Russian education. The analysis of the themes and focuses of authors' attention shows how an academic community treats the situation in Russian education.

Keywords: annual issue of the journal, name of publications, «Higher Education in Russia» journal, set of articles 2011 and 2012, content-analysis, dictionaries by permutation, alphabetic-frequency dictionaries, attention focuses, criteria of finding of the substantial topics

ARZHANYKH E.V., MOYSOV V.V. CAREER ORIENTATIONS OF STUDENTS WITH DISABILITIES

The paper describes the findings of the survey of students with disabilities of Moscow schools and their parents conducted by the Laboratory of monitoring studies of the Moscow State University of psychology and education in autumn 2012. It contains data identifying the demand for higher education and professional orientations (preferences in the choice of occupation, level of education and professional school for further education).

Keywords: students with disabilities, vocational education, higher education institution, specialty, career orientations, career orientation programs for students with disabilities

University: yesterday, today, tomorrow

ANDREEV A.L. UNIVERSITIES IN THE CONTEXT OF SOCIAL HISTORY: FROM "EDUCATION OF CULTURE" TO FORMATION OF CREATIVE INTELLECTUAL ENVIRONMENTS

The article considers some correlations between the idea of the university and its real social functions. It also suggests some assumptions concerning the evolution of the universities in future.

Keywords: university, the idea of the university, crisis of the universities, education of culture, creative intellectual environments

POLONNIKOV A.A. ICONIC TRANSITION: ALTERNATIVES AND CHOICES IN EDUCATION

The main theme of this paper is the content of professional mediation in an educational context a culturally, scientifically, and educationally diverse settings. The actor's choice of an educational strategy is presented as a complex act of self-identification requiring appropriate support. The traditional function of educational mediation, understood as the transfer of specific orientations to the individual, is juxtaposed with an overall pattern of mediation that treats the orientation context as a matter for objectivation and selection. "Iconic transition" is considered as a model for mediation, its effectiveness is linked to the specifics of text organization. "Iconic transition" is de-objectivised and presented as an intermediate semiotic construct created within education serving to renew its functioning mode.

Keywords: educational context, semiotic-semantic construct, fictional object, educational innovation, distancing intermediary act

Seminars, conferences

POSTGRADUATE STUDY AS AN EDUCATION PROGRAM (ROUND TABLE DISCUSSION)

On March 20, 2013 a round table discussion on the theme "Postgraduate study as an education program" was held in the framework of the Third IGIP international regional conference and the annual MADI methodological seminar "Innovative pedagogical technologies in engineering education". The organizers of the discussion were The State Technical University – MADI and the journal "Higher Education in Russia". The participants took up the topical questions concerning the postgraduate study in the context of forthcoming organizational reforms in higher education.

Reviews

NALIVAYKO N.V. EDUCATION IN POST-CLASSICAL ERA

The review takes up the key issues elaborated in the monograph "Educational Institution, Power and Society in the Age of Knowledge Culture Growth" (A.O. Karpov). These key issues include: the leading role of research education in the process of the new technological setup formation; processes of knowledge culture deconstruction and the policy of education commodification, in particular; the fundamentals of cognitive and cultural polymorphism of educational systems, well-grounded by the analysis of ethno-diversification models and socio-cognitive specific features typical for the society of knowledge; paradigmatically differentiated structure of modern education. Special mention of the high significance of the material presented in the text of the monograph has been made.

Keywords: society of knowledge, research education, cognitive and cultural polymorphism, paradigmatically differentiated structure of modern education