

Summaries

Modernization practice

CHUCHALIN A.I. ACADEMIC PROGRAMME OBJECTIVES AND LEARNING OUTCOMES

The paper considers approaches to assessment of engineering programme objectives and learning outcomes achievement for accreditation. Accreditation criteria of the Accreditation Board for Engineering and Technologies (USA) and the Association for Engineering Education of Russia are discussed. The bachelor degree programme in Power and Electrical Engineering at Tomsk Polytechnic University is used as an example. The approaches are recommended for implementation in Russian University Academic Standards and a new version of the Federal State Education Standards.

Keywords: accreditation, assessment of engineering programs, engineering programme objectives, learning outcomes

ZERNOV V.A. IS IT POSSIBLE TO HAVE IN RUSSIA OUR OWN STANFORD?

The article covers a number of questions concerning the role and the place of non-governmental universities in Russian education system. The authors stresses that the public and national universities have a privileged status, and the position of a non-governmental sector depends on the presence of a competitive environment. Realization of measures aimed at attainment of the equality of different types of universities can bring our education system to conformity with the world trends in this sphere.

Keywords: non-governmental university, world university rankings, inequality of public and non-governmental universities, competitive environment in education sphere

ROTKOV L.YU., ABRAMOV A.N., SIMONOV A.V., RUG A.V. TOPICAL QUESTIONS OF OFFICERS' PREPARATION AT CIVILIAN HIGHER EDUCATION INSTITUTIONS

This work includes generalizing of the experiment results of the professional officers' preparation (by the example of Nizhni Novgorod State University). It also gives an analysis of the realization versions of the military training program in conditions of two-tier education system including preparation direction of higher professional education "International region studies" on the "Bachelor" level. There is also given an analysis of special purpose citizens' intake in higher education institutions for professional officers' preparation programs in 2013 and suggestions for intake improvement.

Keywords: professional officers' preparation, bachelor, level education system, Federal state education standards, variable part of program cycles, military preparation programs, preparation specialization "Military translation", special purpose citizens' intake, Unified State Exam score, competitive selection

Crossroad of opinions

BABINTSEV V.P. BUREAUCRATIZATION OF A REGIONAL UNIVERSITY

The key theme of the article is bureaucratization of scientific-educational environment of a regional university, which is considered as a process of socio-cultural changes, reflecting transformation of the subculture of bureaucracy into the cultural mainstream of Russian society. Consequences of bureaucracy for HPE institutions and the reaction of collectives of universities are analyzed.

Keywords: bureaucracy, bureaucratization, bureaucratization of a university, subculture, imitation, socio-cultural transformations

TKHAGAPSOEV H.G. REGIONAL UNIVERSITY FALLS OUT OF EDUCATION DEVELOPMENT IN RUSSIA

The article analyzes the problems of development of a regional university in modern Russia. One of the main problems is underestimation of the role of universities in solving social-economic and cultural-technological tasks within the region. It has been proposed to introduce the practice of a "Head University" status referring to the subsequent creation on this basis of regional scientific-educational clusters.

Keywords: regional university, head university of a region, growing point, regional scientific-education cluster, formalization of education processes

SEVOSTYANOV D.A., GAINANOVA A.R. VALUE OF EDUCATION: INVERSION OF MEANINGS

Higher education in Russia is going through a crisis. This crisis is connected with the lack of ideology in the sphere of education. As a result, the purpose and meaning of education are undergoing inversion. They are not directed at the development of society and its institutions, but at the satisfaction of the needs of discrete education institutions, and also at rendering private educational services. As a result, the society wastes huge resources assigned for education, but the education activities does not reach the effect. This situation requires urgent measures from the state.

Keywords: education values, inversion, crisis, organizational principles of a hierarchical system

LOBANOVA N.I. EDUCATION AND UNDERSTANDING (TO THE QUESTION OF APPLICABILITY OF A TECHNOLOGICAL APPROACH IN PEDAGOGY)

The article discusses the context of transition from traditional education paradigm to the technology paradigm and brings up a question of the validity of direct transfer of a technological approach from the production sector into education sphere. The author presents her considerations on the applicability of the technological approach from the point of view of the humanistic (dialogic) tradition. The author arrives to a conclusion that the technological approach inherently denies any subjectivity, any possible act of understanding, and “humanization” of technological approach in the upshot implies pedagogue’s transformation into “communicator”, “engineer”, “technologist”, “manipulator”.

Keywords: education, technology, technological approach in education, understanding, subject, object, mind, freedom

University life

DMITRIEV S.M., SHIRYAEV M.V., MITYAKOV S.N. ECONOMIC SECURITY OF A TECHNICAL UNIVERSITY: CONCEPTUAL BASES

The article opens a cycle of publications by the title “Economic security of the technical university”.

The paper focuses on the questions connected with expediency of introduction of a control system of economic security in a technical university. The term “economic security of the technical university” is defined as a “state of university’s economic potential, which ensures the defense of its economic interests, the safety of the workers and students, and the effective development of the university in accordance with its mission even under adverse external and internal conditions”. The article also views the aspects of economic security (students, teachers, science and innovations, financial, material and information resources, management), and the main calls and threats for technical university in modern conditions.

Keywords: system of economic security, economic security of a technical university, indicators of economic security, threshold values, calls and threats, external and internal factors

IVASHKIN E.G., BUSHUEVA M.E. THE ROLE OF UNIVERSITY IN PREPARING YOUNG PEOPLE FOR PROFESSIONAL DEVELOPMENT

This article focuses on the creation of a modern program for professional development of the youth, which provides the continuous support of a student in his/her personal self-becoming, in determination of his/her future, including personal development and career advancement.

The program is based on a competence approach, considering vocational guidance and career development as components of a single complex.

The purpose is to acquaint students with the economic and professional environment, enrich their perceptions of the professional world, form preparedness and ability to overcome difficulties on a basis of self-reflection. The program presupposes an active participation of adults – psychological and educational support of a student at school and university up to his/her integration into the world of work.

Keywords: vocational guidance, profession, personal development, career advancement, competencies, qualification

DMITRIEV S.M., ERMAKOVA T.I., IVASHKIN E.G. INTERACTION BETWEEN A TECHNICAL UNIVERSITY AND THE DEPARTMENTS UNDER ENTERPRISES

The article describes the experience of Nizhny Novgorod State Technical University n.a. R.E.

Alekseev in creation of the departments attached to high-tech enterprises. Such departments help to prepare qualified engineering personnel for enterprises. While studying at the departments, students can easily accommodate themselves to the specificity and working conditions and get ready for practice-oriented activities at enterprise.

Keywords: university department attached to enterprise, targeted training, employment assistance, nominal scholarship

Discussing a problem

KUZNETSOVA I.V., KHMELEV S.S. TEXTUAL SPACE OF THE PROFESSIONAL COMPETENCES

The article marks the peculiarity of the competence model for graduates of applied and academic specialties. Metacharacteristics of teaching texts on Chemistry are defined. It is shown that in the situation when the systems of secondary school and higher education are misbalanced and labor market is multiple-optional, the training of the professional competences starts with students' ability to work with different types of teaching texts.

Keywords: competence model, professional competences, metacharacteristics of a text, teaching texts

IVANOVA N.K., MILEEVA M.N. SCYLLA AND CHARYBDIS OF EDUCATION: SPECULATIONS ON THE PROBLEMS OF THE ENGLISH LANGUAGE TEACHING IN HIGHER SCHOOLS OF RUSSIA

The paper considers some actual problems of the foreign languages teaching in the context of the new challenges faced by Russian higher school and demands for building its competitive scientific and educational image and for increasing international scientific ranking. The complex of the problems relating to Englishization – the application of the English language in national educational and research processes – is discussed, internal and external factors of ineffective traditional methods of teaching in Russian higher schools are revealed, comparison with European approaches to foreign language teaching is made. On the basis of the theoretical sources and practical experience of EFL teaching a number of efficient techniques and necessary measures for overcoming “language backwardness” of Russia are described.

Keywords: the English language, Englishization, system of teaching foreign language at a secondary and higher school, European teaching practices, integrative techniques, module teaching, language portfolio

VERESCHAGINA A.V., MARTYNENKO O.O. BACHELOR DEGREE IN APPLIED LEGAL STUDIES: SOME QUESTIONS

The article is devoted to the experiment in introducing an applied bachelor degree program for law students. The authors have formulated the criteria, which, by their opinion, it is necessary to adhere while working out the education standards and curriculum for bachelor's applied legal studies program. The paper also contains the prognosis on the development of legal education. The result of this experiment will influence it.

Keywords: higher professional education, legal education, bachelor's applied legal studies, federal law “On education in the Russian Federation”

VOLKHIN V.V., GERTSEN T.A., MAYSELES S.B., LUBIMOVA N.YU. ELECTIVE COURSES IN ENGLISH AT TECHNICAL UNIVERSITY

The article presents the experience in organizing natural-scientific studies in English for chemical profile students. The purposes, features, forms of such studies are considered. These courses serve as the means to improve professionally oriented training of technical university students. Interdisciplinary connections are used in development of students' activity to apply knowledge and skills including the ability to use English proficiently in their professional environments.

Keywords: English for professional purposes, natural-scientific studies, spectroscopy, mathematics, theory of probability, integration, professionally oriented communicative competence

Sociology of education

LEDENEVA V.YU. INTELLECTUAL MIGRATION: RUSSIAN AND WORLD TRENDS

The article discusses the migration processes in a particular segment – intellectual migration.

Intellectual emigration flows are analyzed over the past 20 years. There is also considered a complex combination of reasons and motives of migration, as well as the demand for scientists and specialists in international markets of intellectual labor. The author gives suggestions and recommendations for the implementation of special policy and regulations for intellectual migration.

Keywords: intellectual migration, “brain drain”, “brain gain”, “brain waste”, brainpower, international labor market, Russian education, migration policy

ROCHEV K.V. TYPOLOGICAL ANALYSIS OF STUDENT MOTIVATION

The article describes the results of the survey of students' motivation typology using the Gorchakov model. The survey covered the students of five courses of a specialty “Information systems and technologies”. The work shows the percentage distribution of the types of students' motivation, presents the correlation analysis, and also describes the influence of the type of motivation on the average score. This research was carried out before the implementation of the index-rating estimation system and material stimulation for students for the purpose to estimate the influence of the system on the changes in students' motivation.

Keywords: students' motivation, Motype, typological model, index system

Horizon

SHIPOVALOVA L.V. CITATION INDEX AND OBJECTIVITY OF EXPERTS. ABOUT THE POSSIBLE PHILOSOPHICAL DELIBERATIONS ON THE HOT TOPIC

The article deals with the actual problem associated with using citation index as an instrument for evaluation of research effectiveness. The author calls in question the propriety of applying SCI: firstly, in ability of the CI to be used in order to improve the effectiveness of science, secondly, in objectivity of CI, thirdly, in the equal opportunity to apply CI to various fields of science. The author argues that SCI use as the means of assessing the effectiveness of science is possible only if the scientific community itself recognizes the CI as a significant element of research, the element of “self-consciousness of science”. The article also covers the alternative and no less important than the CI objective grounds for recognizing the value of research, including scientific expertise and discussion. The conclusion is that the insistence on the account of these alternatives promotes recognition of the autonomy of scientific activity, accounting for the value of novelty and originality of scientific ideas and, ultimately, the development of science.

Keywords: Science Citation Index (SCI), E. Garfield, objectivity of expertise, recognition of the value of research, scientific communication

GRANIN YU.D. ON THE PROBLEM OF REALITY IN MODERN SOCIOLOGY: DISAPPEARANCE OF “GROUPS”

The article analyzes the philosophical and methodological foundations of social constructivism in modern sociology. Its representatives, namely Rogers Brubaker, suggest to refuse the concept “group” in the study of ethnicity, race, and nationalism.

Keywords: group, deconstruction, reality, class, nation, ethnos, social constructivism, Rogers Brubaker

Internationalization of education

Peculiar features of higher education in Germany through the eyes of a Russian professor. Interview with Prof. Dr. E. Patrik (INTAMT), journalist Helena Solominsky.

Facts, comments, notes

KOCHETKOVA T.O., SIROTININA N.YU. ONE EXAMPLE OF INTERNATIONAL COOPERATION AS A CATALYST OF HIGHER EDUCATION MODERNIZATION

KRYLOV E.G. TEACHING ENGINEERING FOR FOREIGN STUDENTS

LAZARENKO V.A., SAVELYEVA N.N., PARAKHINA O.V. VALUE ORIENTATIONS OF PROFESSIONAL EDUCATION OF A FUTURE MEDICAL WORKER

NIKOLAEV D.A. NIZHNI NOVGOROD EXPERIENCE OF HISTORICAL-MILITARY RECONSTRUCTION