

Summaries

Modernization practice

SENASHENKO V.S., TKACH G.F. STUDENTS' ACADEMIC PERFORMANCE ASSESSMENT SYSTEMS AS A TOOL TO CONTROL THE LEVEL OF MASTERY OF EDUCATIONAL PROGRAMS

Assessment systems of students' academic achievement and their educational outcomes are the object of the study. The comparison of the different assessment systems is performed on the basis of the analysis of their efficiency as a tool of control and assessment of educational outcomes, which carries out a normative, informative and diagnostic function, as well as a control and incentive function during the educational process in higher education.

Keywords: quality of education, assessment system, academic achievement, normative function, informative function, diagnostic function, efficiency, educational programs, grading systems, European Credit Transfer and Accumulation System (ECTS)

PROKHOROV V.A. TO THE QUESTION OF ENGINEERING EDUCATION MODERNIZATION

The article focuses on the topical questions concerning implementing of the two-tier engineering education. The author suggests considerations relating to its fundamentalization on both levels, participation of employers in skills raising system, and formation of a new version of federal state educational standards.

Keywords: engineering education, implementing of two-tier engineering education, engineering education modernization, fundamentalization

GURTOV V.A., PITOUKHIN E.A., NASADKIN M.YU. THE EFFECTIVENESS OF HIGHER EDUCATION INSTITUTIONS IN TERMS OF GRADUATES EMPLOYMENT

In this paper, we consider an approach to evaluating the HEI effectiveness in terms of graduate employment. Data source – the monitoring of graduates employment conducted by the Ministry of Education of Russian Federation. It is proposed to calculate the efficiency of graduates employment in view of the situation on the labor market expressed with an imbalance of supply and demand.

Keywords: effectiveness of HEI activities, level of graduates employment, fastening of graduates, relative salary, impact of the external environment, labor market

Crossroad of opinions

ROBOTOVA A.S. INVISIBLE LABORATORY OF UNIVERSITY LECTURER'S MENTAL WORK

The author presents her own opinion on the university lecturer activities. The paper emphasizes the integrative character of university lecturer activities, which includes, besides teaching, research work, scientific guidance and consulting, membership in different councils and editorial boards, peer reviewing, and writing of articles, monographs, textbooks, and courses. Some kinds of his activities are unobvious and imperceptible. The author uses the metaphor "invisible laboratory of mental work" and expresses concern in connection with the uncertain position of a university teacher in the modernization processes in higher education and with possible loss of the value of a unique personality.

Keywords: university lecturer, higher education modernization, university lecturer activities, intellectual biography, invisible laboratory of mental work, scientific reflection on teacher's activities, lecturer's self-education

NOVIKOV A.N., NOVIKOVA M.S. THE SPECIFIC CHARACTER OF PEDAGOGICAL HIGHER EDUCATION IN THE CONDITIONS OF PEDAGOGICAL INSTITUTES REORGANIZATION

The specificity of pedagogical higher education lies first of all in the organization of the learning process in the pedagogical institute, and in the specificity of students' and teachers' environment; the interaction "teacher – student"; research and education results; teachers' status; students' mentality; reflection. In the condition of pedagogical university reorganization, the main task is to preserve the established traditions expressing this particular specificity.

Keywords: pedagogical education, classical education, specific features of students' and teachers' environment, pedagogical training of university teachers, pedagogical reflection, teaching method of Geography, theory of Geography, pedagogical university reorganization

MAIDACHEVSKY D.YA. MISADVENTURES OF ECONOMIC HISTORY IN MODERN RUSSIAN HIGHER SCHOOL: "WHO IS IN FAULT" AND "WHAT IS TO BE DONE"?

Erstwhile the inherent subject of economists' training program, now Economic History has in all but name disappeared from the universities' curriculum in the view of historical redundancy. The strategies of the disciplinary status sustention of Economic History should be directed on the knowledge-based independence substantiation of the discipline per se as the field of Economics.

Keywords: economic education, educational standard, economic history, disciplinary history, disciplinary status

University life

University of Economics in Siberia

MOLCHANOVA O.V. UNIVERSITY OF ECONOMICS IN SUSTAINABLE DEVELOPMENT OF A REGION

The article suggests that vocational education is a strategic priority and a catalyst for the development of a region in complex socio-demographic conditions. Only immensely innovative transformations in the field of education and the orientation towards cooperation between the universities and the state, business, and other universities can in recent conditions ensure sustainable development.

Keywords: strategic plan, sustainable development, innovative regional clusters, vocational education

FILATOV S.A., SUKHORUKOVA N.G., DUDINA T.N. A NEW MODEL OF PROFESSIONAL EDUCATION AS AN IMPERATIVE OF KNOWLEDGE-BASED ECONOMY

This article analyzes the objective factors that cause the need for the new model of professional education in the conditions of the formation of knowledge-based economy. The socio-economic mechanism of transformation of the educational system in the post-industrial era is revealed. The experience of the university is presented.

Keywords: continuing education, knowledge-based economy, learning cycles, socio-economic mechanism of transformation of the educational system, specialized education

BARAHTENOVA L.A. INTERNATIONALIZATION OF HIGHER EDUCATION AT THE UNIVERSITY OF ECONOMICS: MODELS, TECHNOLOGIES, AND PROSPECTS FOR DEVELOPMENT

The fundamentals of the methodology of the internationalization of higher education is presented, as well as the model structure of the concept «internationalization of education». Taking the example of the Novosibirsk State University of Economics and Management the paper shows the features of the design and development of a model of international education that allows to implement a variety of innovative educational technologies (franchising, dual diplomas, etc.). The prospects for the model as a tool for the formation of professional networks of the NSUEM with foreign partner universities are demonstrated.

Keywords: internationalization of higher education, economic model of internationalization of education: franchising, twins program, double degree program

DONSKIH O.A. WHERE IS THE NICETY OF A SLOW RUSSIAN SPEECH?

The paper shows the current decline in the quality of language skills, which is manifested in the destruction of the linguistic code and the corresponding depersonalization of communication. Historical experience shows that the national language enriches and develops under condition of a serious state attitude towards it.

Keywords: Russian language, quality of language skills, linguistic code, Russian culture of the XVIIIth century, system of education

SEROV D.O. RUSSIAN JUDGES AND HIGHER LEGAL EDUCATION: HISTORICAL ASPECT

The article is devoted to the history of the formation in the Russian legislation of the qualification requirement for judges to have the higher legal education. The analysis of the normative acts is carried out in conjunction with the brief consideration of the question of the development of legal education in Russia in XVIII–XX centuries. The author provides the sample data on the educational level of Russian judges for the years 1851–1990.

Keywords: judges, qualification requirements, higher legal education, faculty of law, jurisprudence, practical jurisprudence

Discussing a problem**DULZON A.A. PROJECT MANAGEMENT TEACHING AND TRAINING EXPERIENCE**

The main defects of traditional teaching and training in project management are discussed. It is shown that acquirement of project management methodology even on elementary level is possible only through participation in team work and performance of a real project. Teaching techniques and the methodology of individual's contribution estimation by team work are exposed.

Keywords: project management, teaching technique, team work, goals decomposition, individual's contribution

SYSOYEV P.V. MAIN DIRECTIONS AND PROSPECTS OF INFORMATIZATION OF A FOREIGN LANGUAGE EDUCATION

This paper addresses the issue of informatization of foreign language education. The author a) denotes the conditions of informatization of a foreign language education, b) defines the main directions of informatization of language education, c) considers the prospects of development of these areas.

Keywords: informatization of education, information and communication technologies, language education, informatization of foreign language education, forming of language competence by means of ICT

PETRUNIN YU. YU. SOCCERMETRICS AS A SCIENCE AND AN ACADEMIC DISCIPLINE

Soccermetrics examines econometric models in football. Soccermetrics is a synthesis of statistics, data analysis, economics, and computer technology. Soccermetrics increases the effectiveness of players, teams, and financial results. This article analyzes the reasons for the lag of soccermetrics in our country. The article discusses the prospects of soccermetrics as a science and as an academic discipline in Russia.

Keywords: higher professional education, sport industry management, management in sport, football (soccer), soccermetrics, econometric models in football

STAS' N.F. EDUCATIONAL AND METHODOICAL COMPLEX OF CHAIR IN CHEMISTRY

The article differentiates the concept of an educational data set for a separate educational program and the concept of an educational and methodical complex of a chair. The contents of available educational complexes in chemistry is considered. The article analyzes the reasons of complexes lack and the conditions for their development. The purpose and the conceptual

basis of a complex in the general and inorganic chemistry are offered. The structure and the contents of the educational complex in chemistry developed at Tomsk Polytechnic University are described, its role in educational process is shown.

Keywords: educational and methodical complex; educational data set, general and inorganic chemistry; complex structure; contents of a complex; Tomsk Polytechnic University

Horizons

GOROKHOV V.G. DEBATE ON REFORMING THE RUSSIAN ACADEMY OF SCIENCES

The key problem of the article is the destiny of Russian science in the light of today's reforms. The author reflects upon the requirement of matching the science activities with the international and domestic "bureaucratic virtual reality", touches on such themes as real science and pseudoscience, debate between natural scientists and humanities researchers, the importance of a national language for the development of national science.

Keywords: Russian academy of sciences, reforming of RAS, bureaucratization of science, indexes of a scientist's research productivity, pseudoscience, RAS and military-industrial complex

CHUBAROV I.M. POWER, KNOWLEDGE, AND CENSORSHIP IN 19TH-CENTURY RUSSIA

The core idea of this article is to investigate a connection between clerical and secular censorship and the development of Russian philosophy, literature and journalism in XIXth century. Censorship became a despositive of paradoxical social congruence on questions of individuality, discourse, Truth and coercion in Russian society. Quite a compatible situation was raised in the works on sexuality by Foucault. Thus, the main goal of this article is to make a comparative study of papers related to Russian prison and censorship and Foucault methods.

Keywords: M. Foucault, power-knowledge, archives, censorship, discursive formation, dispositif, biopolitics

Sociology of education

BORDOVSKAIA N.V., KOSTROMINA S.N. POTENTIAL AND REAL STUDENTS' WILLINGNESS TO RESEARCH

This article is about the importance of students' practical and potential willingness to research activity in view of the problem of student's formation and development as a researcher at all levels of training at the university. The content of a term «research potential» as a most important precondition of scientific preparation success and research activity efficiency is specified. Studying of a student as a researcher is considered taking into account his scientific preparation and activity and also personal features that influence on success in research activity. Research potential of bachelors, master's degree students, graduate students and young teachers is compared. The empirical basis of the article is the materials of studying research potential and extent of its realization by students and young teachers of different universities.

Keywords: student's research activity, student's willingness to research activity, student's research potential, distinction in development and realization of student's research potential, motivation for research activities, cognitive component of a research potential, behavior component of a research potential

KUZMINA Y.V. THE CHOICE OF FIELDS OF STUDY: THE DIRECT AND INDIRECT EFFECTS OF FAMILY BACKGROUND

This paper analyzes the relationships between family backgrounds, motivation and fields of study for a sample of 4-year students from Yaroslavl region and Tatarstan. The results show that students with different family educational and material resources choose different fields of study and have different motivation. Students with high material resources and prefer to choose economic professions and rarely choose the humanities or pedagogical professions. Motivation can change the effect of family background: intensify or reduce it. Advantaged

students (with high educational and material resources) explain their occupational choice by interest or job motivation and don't follow by easiness of education or entering universities.

Keywords: choice of fields of study, education trajectory choice, motivation, motivation factors, family background, direct and indirect effects of family background

Doctoral training

MALOSHONOK N.G., DEVYATKO I.F. EXPERIMENT AS A METHOD FOR ASSESSMENT OF EFFICIENCY OF PRACTICES AND INNOVATIONS IN THE FIELD OF HIGHER EDUCATION

The article presents fundamental propositions for conducting experimental study in the field of education in order to assess efficiency of educational practices and innovations. Experiment is considered as a method that has advantages in exploring casual link between independent and dependent variables. In addition, the article contains the description of threats to validity and the demonstration of concrete examples and their critique.

Keywords: experiment, experimental plan, casual link, external and internal validity, threats to validity, educational practices and innovation, assessment of the efficiency of educational practices and innovations

MARTISHINA N.I. PHILOSOPHY OF SCIENCE IN ENGINEERING EDUCATION: A PRACTICE-ORIENTED APPROACH

The key theme of the article is the necessity of the classical course of the philosophy of science for training of a future researcher and engineer. Main focus is given to the operational re-orientation of this discipline. The basic functions of the philosophical course in the structure of post-graduate education program for engineers are designated. The methods of sampling and interpretation of educational material aimed at the implementation of a practice-oriented approach are offered.

Keywords: post-graduate training for engineers, post-graduate education program, practice-oriented approach, the philosophy of science as an academic discipline

Research debut

SERGEEVA I.V., SHTARK E.V. STUDENT FAMILIES AMONG STUDENTS OF THE FACULTY OF FUNDAMENTAL MEDICAL EDUCATION

The article is a sample of family studies and presents the results of the survey of student's families that was held at the faculty of fundamental medical education. The authors state that marriage is beneficial for social maturing of students; it is not a hindrance for successful learning and professional formation. At the same time student's family needs care and support from the university administration.

Keywords: student's family, family studies, marriage registered, unregistered marriage, student's family with children, student's family without children

YATSENKO E.S., TININA I.K. ERGONOMIC ASPECTS OF TEACHING

The empirical basis of article is the results of study of production factors and ergonomic environment at the Chemistry Department of Altai State University. The data obtained can be used for workplace organization for teachers, helping to prevent the occurrence of professional diseases, and improve the effectiveness of educational and professional activities.

Keywords: professional health of university teaching staff, production factors, certification of a workplace, ergonomics, ergonomic evaluation of production environment, diagrams

