

SUMMARY OF THE ARTICLES OF THE ISSUE

EDITOR'S PAGE

Victor ANDRUSHCHENKO

ACADEMIC COOPERATION..... 5

National academy of sciences of Ukraine general meeting science role enhancing in the course of statehood building and development of its principal directions points to discuss recently took place in Kyiv. In the context of National Academy of Sciences of Ukraine President Boris Yevgenovych Paton the main report discussion, V. Andrushchenko speech about cooperation of National Academy of Sciences of Ukraine with state leading universities has been presented, which is published with reductions.

OUR CONGRATULATIONS WITH ANNIVERSARY

Petro PILOV, Oleksandr BESHTA, Hanna SHVYDKO

TRADITIONS LOYALTY AND ACCORDANCE WITH TIME 8

National Mining University (NMU), one of the nation's premier technical institutions of higher learning, was founded in 1899. Its dynamic progress significantly contributed to the establishment of engineering education in Ukraine and to the creation of world-wide recognized scientific schools under the auspices of the National Academy of Sciences of Ukraine. All stages of the university existence have been marked by constant development, the scope and scale of its scholarly research impressing with ever growing magnitude. The last 30 years of NMU activity have been especially vibrant and booming. Today National Mining University is a state-of-the-art scientific and training centre, the autonomous research institution distinguished by the advancement of fundamental and comprehensive knowledge, celebrated for complex alliance of science, instruction and innovation; with multifaceted international ties.

Keywords: university, science, engineering education.

EDUCATIONAL PROCESS PHILOSOPHY

Beata KOSOVA

CRISIS OF EDUCATION AND THE ROLE OF UNIVERSITIES

ANDSOCIALSCIENCES..... 16

It has been presented general characteristics of the education crisis and its manifestation, as well as four periods of scientific pedagogical understanding are described in the article. The changing of education sense and its role in society in the context of education value changing along with the values in modern education are revealed. The attention is paid to reflexivity of modernization and also capabilities, university and social sciences role during an education crisis period.

Keywords: an education crisis, an education value, reflexivity, a university, social and humanitarian sciences.

Anatolij ZELENKOV

PHILOSOPHY AS A FUNDAMENTAL VALUE IN GLOBALIZING WORLD

CULTURE..... 24

The article author comprehends philosophy as one of the most needed spiritual experience forms, emphasizing semantic formation role of philosophy in the system of modern social humanitarian education. It is proposed philosophy education of student reform program. It has been giving reasons for complex III-level model of philosophy educational classes reading for students, masters and postgraduates, basing on experience of philosophy teaching at Belarusian State University.

Keywords: a university, philosophy, social humanitarian education, values.

Olena UVARKINA

UKRAINIAN EDUCATION ON THE WAY TOWARD JOINT EUROPEAN EDUCATIONAL

SPACE..... 38

Transformation of Ukrainian education is considered in the context of such European agreements,

as «European Convention on the Equivalence of Diplomas», «European Convention on the General Equivalence of Periods of University Study», «European Convention on the Academic Recognition of University Qualifications», «Convention on the Recognition of Studies, Diplomas and Degrees concerning Higher Education in the States belonging to the European Region»,

«European Convention on the General Equivalence of Periods of University Study» and «Conventions on the Recognition of Qualifications concerning Higher Education in the European Region». The author emphasizes that Bologna process has become a kind of semantic result of agreements in educational sphere, which revealed an aspiration of European educational and research community to unite in variety.

Keywords: a person, an education, a culture, the education policy, European educational space, transformation of education, Bologna process.

THE NEOTERIC SCIENCE AND MODERN EDUCATION

Dmytro KASIANOV

NANOTECHNOLOGY RESOURCES OF SOCIAL DEVELOPMENT: DEFINITION PROBLEM..... 45

It has been analyzing the nature and essence of humanity nanotechnology development; implementation of nanotechnologies is considered to be the necessary factor of civilization development. It is laid stress on necessity of nanotechnologies in Ukraine development on the basis of complex action program that should rely on progressive scientific and technological advance and base upon adequate investment, foreseeing the consequences of such an implementation.

Keywords: a person, the nature, manufacture, a culture, civilization, nanotechnologies, a progress, an education, training.

Tetiana PERGLER

DEVELOPMENT OF SCIENCE, EDUCATION AND CULTURE AS UKRAINE STATEHOOD BUILDING BASIS..... 51

Development of science, education and culture are considered to be the basis of Ukrainian statehood building; it has been emphasized, that development of national cultural environment is one of Ukrainian state priority tasks, that causes necessity to pay extreme attention and provide necessary resources to get over a anthropogenic cultural crisis, that has formed under the influence of mainstream informational culture along with negative tendencies leading to national values and mentality orienting points repression out of social conscience structure.

Keywords: a person, a science, an education, a culture, statehood building.

TIME OF REFORMATION: METHODOLOGY AND METHODICS OF THE PROCESS OF EDUCATION

Volodymyr GONCHAROV

MASTERING OF EDUCATIONAL TECHNOLOGIES – THE INTEGRAL BASIS OF PREPARATION OF NEW TEACHER..... 59

On the basis of basic conceptually-theoretical definitions of concept «formation technologies» specific analysis, the conclusion is drawn that education and pedagogic technologies play an important role in integration and ordering of educational medium in the course of preparation of new teacher as the key subject of teaching and educational creativity; it is emphasized that the technological component of educational space mastered by students promotes complete definition of pedagogical process purposes, forming of the conforming procedures and means along with effective achievement of these purposes, its revealing and reconstruction.

Keywords: a person, an education, the educational policy, educational technologies, pedagogical technologies, technologies of study.

Olena KOFANOVA

SYSTEM-SYNERGETIC APPROACH TO METHODIC COMPETENCE ORIENTED SYSTEM MODELLING OF FUTURE ENVIRONMENTAL ENGINEER CHEMICAL TRAINING..... 66

It is discussed methodic system of future environmental engineer chemical training developed model, based on complete application of system-synergetic, competence, block-modular and learner-centered approaches; its main components are researched; its directions of development and improvement are determined in the article.

Keywords: chemical training, environmental engineers training, higher engineering ecologic education, methodic system, competence approach, synergetic approach, learner-centered teaching.

Galina KOZLAKOVA, Natalia SURA

THE ORGANIZATION OF COMPUTER-ASSISTED DIALOGUE OF FOREIGN LANGUAGE LEARNING AT TECHNICAL UNIVERSITY 75

In the given article there are considered system, competence, quality and dialogue approaches in the context of the formation for future IT-specialists' of foreign language competence at technical university. The authors reviewed characteristic features of the considered approaches and the perspectives of future investigations of these problems.

Keywords: computer-assisted learning, system, quality of education, competence, competences, foreign professional oriented dialogue.

EDUCATION AND UPBRINGING PROCESSES HUMANIZATION

Oleksandr DIDKOV

EDUCATION FOR HEALTH AND CONSTANT HUMAN DEVELOPMENT 83

It makes sense to determine that the main objective of education for constant development in the context of state educational system reforming overall tasks is promotion of well-rounded, social-dynamic person forming, who understands new events and social life processes, has its own belief system, ideological and moral standards, behavioral norms providing readiness to socially-responsible activity and continuous education in extremely changeable world, as it has been substantiating.

Keywords: a person, health, culture, education, training, ecology.

Svitlana GANABA

CONTENTS OF EDUCATION IN THE CONTEXT OF SOCIAL- CULTURAL CHANGES OF «FLOWING MODERNITY» 89

This article pays attention to the necessity of elaboration by the educational resource the mechanisms of adaptation the personality to the conditions of quickly changing world. Accents are given to that the problem of contents of education needs the contextual approach, so it needs the analyzing it in the context of determination the modernity as flowing integrity. The contents of educational activity is connected with the exposure of personal potential of a person in the world of his possibility to take his bearings in different situations of socium and the necessity of «education to re-study».

Keywords: difficulty, flowing, modernity, contents of education, post-figurative culture.

Yevhenia KIREJCHEVA

INFLUENCE EFFICIENCY CRITERIES OF SOCIAL PSYCHOLOGICAL TRAINING ON FUTURE TEACHER SELF-CONCEPTION..... 96

In the article the theoretical ground of efficiency of the social-psychological training is given as a method of development of I-conception of future teachers. Concepts «training», «social-psychological training», «I-conception», «I-conception of future teacher, are considered». The criteria of efficiency of influence of the social-psychological training are analysed on I-conception of future teacher.

Keywords: training, social-psychological training, I-conception, I-conception of future teacher.

EXPERIENCE FROM ABROAD

Olena SLIUSARENKO

PROGRESSIVE UNIVERSITY POTENTIAL COUNTRIES TOP-UNIVERSITIES AGE SPECIFICITY 101

Age characteristics of top institutions according to Rankings «Shanghai» and «Times» of

countries with leading university potential (USA, United Kingdom, Germany, Japan, Canada, Australia, Switzerland, France, Sweden, the Netherlands) and countries (Austria, China) which develop intensively that potential are examined in the article. Existence of two competitive and complementary trends concerning the leading role of experienced top institutions (dominating trend) and making them essential competition from young institutions of world class (sub-dominating trend) is confirmed. Intensification of trend to profile leading institutions together with continuing active creation of classical top universities is established. Determined earlier age distribution of world class institutions according to the regions is confirmed on the example of considered countries.

Keywords: top universities, age distribution, experienced and young universities competition, top universities profiling.

THE YOUNGER SCIENTIST'S SPEECH

Yurii KORSAK

RUSSIAN EXPERIENCE OF USE «NATURE STUDY CONCEPTION» SUBJECT IN HIGHER EDUCATION 109

Taking into account foreign and national experience it is proved, that progress in economy and hopes of mankind transition to a sustainable development are possible only on the basis of an investment human and financial resources in ecosafe technologies, nano – pico – and femtosciences together with formation at youth of new outlook. Among means of successful formation of such outlook at students – new philosophical discipline of «Concepts Modern Sciences», widely used in Russia and having good prospects and in Ukraine.

Keywords: sustainable (ecosafe) development; concepts of modern natural sciences; new outlook; nano-, pico- and femtosciences; nanotechnologies; nootechnologies.