

ABSTRACTING REVIEW OF JOURNAL ARTICLES

EDITOR IN CHIEF'S PAGE

Viktor ANDRUSHCHENKO

PEDAGOGI FOR PEASE: THEORY AND PRACTICE ACTUALITY 5

Values of peace and peace loving actualities, training of these features by means of education and training are being analyzed; the author confirms that basic postulates concerning content organization of this process are the ideas of I.Kant about «eternal peace» and A.Shveitser « reverence for life»; it is stressed that in educational literature on philosophy the basic principles and directions for peace loving training have been formulated but on the way of their implementation into practice of training there are traditions of authoritarian subject-to-subject pedagogy which in its origin maintains status differentiation among various subjects of educational process and it does not assist in training of tolerant relationship toward the other; modern European practice in training of peace loving and tolerance is based on subject-to-subject humanistic paradigm of training which has in the centre of any pedagogical process a development of communicative existential potential of a child as a human and personality – the highest civil value.

Key words: human, values, peace loving, education, culture, training.

CURRENT THEME

Volodymyr LUGOVYY, Olena SLYUSARENKO, Zhanna TALANOVA

HIGHER EDUCATION TOP-INSTITUTIONS «ORBITS» STRATIFICATION

AND STABILITY IN THE WORLD 13

The characteristics of higher education top-institutions, which according to the Shanghai ranking were in the top 30 for eleven-year period (2003-2013), are analyzed. The closed groups (groups of one – Harvard University, next five, five, and fifteen institutions) stratification and stability are revealed; they in common represent five countries: USA, United Kingdom, Switzerland, Japan and Canada. The unstable group of four universities completes the top 30 list; they consolidated in the mentioned list only in the last three years, competing with three universities which currently occupy ranking positions 32, 34 and 35 and in different years were among the 30 top. It is shown that the strongest ranking indicators are those concerning the Nobel Laureates and Fields Medalists among the alumni and staff (in both cases variation range in the list is from 100 to 0 points). According to differentiation strength the next one is an indicator of academic performance (variation range is from 100 to 23 points); followed by indicators concerning highly cited researchers (from 100 to 37 points) and papers published in Nature and Science (from 100 to 39 points). The least differentiated was publications citing indicator – from 100 to 44 points. Each of the five ranking indicators, except publications indicator, correlates strongly with an institution's ranking position. The considerable variety of thirty top-institutions is ascertained. Their average age is 219 years, ranging from 94 (University of California, Los Angeles) to 917 (University of Oxford) years. The average number of students is 26,8 thousand (with a range from 2,2 thousand in the California Institute of Technology to 75,6 thousand in the University of Toronto) including 46 percent for master's and doctoral levels of education (from 20 percent in the University of Toronto to 100 percent in the University of California, San Francisco) and 19 percent of international students (from 4,5 percent in the University of California, San Francisco to 41 percent in the University College, London). There exists a slight negative correlation between institution's ranking position and number of students, and a positive correlation in the case with percentage of international students and close to reliable (probability 0,95) correlation with percentage of master's and doctoral students, demonstrating the preference

of quality indicators on purely quantitative. The first and third groups of institutions consist exclusively of traditional universities, the second and fourth include other types of institutions – institutes, colleges and also specialized institutions.

Key words: stratification, stability, ranking positions, higher education institutions, Shanghai ranking, indicators.

ADVANCED EXPERIENCE

Anatoliy VASYLYEV, Sergiy SHKARLET

INNOVATIVE ASPECTS OF IT-TRAINING AND PROFESSIONAL DEVELOPMENT: EXPERIENCE OF UKRAINIAN UNIVERSITIES21

This article presents results of innovative solutions to training and professional development of IT industry in Ukrainian universities. Considered subject is competitive approach based on theoretical and technological achievements of the organization and management of e-learning, including distance education and project activities. Results of the comprehensive work were nominated for the State Prize of Ukraine in the field of education in 2014 in the category "Higher Education"

Key words: IT specialists, e-learning, distance education, project activities and quality management.

PHILOSOPHY OF EDUCATION IN THE XXI-st CENTURY: SEARCH FOR PRIORITIES

Vy'l'iam KOVALENKO

DIDACTIC LOGISTICS: CRITERIA AND STANDARDS OF MIND REFLECTED IN SCIENTIFIC TEXTS28

The article considers the subject-matter area of didactic logistics and its three types that are predetermined by the occurrence of three types of signs in scientific texts – the seemingly similar signs whose denotations present three types of criteria and standards for the analysis and evaluation of scientific text stated ideas and professional reflections of scholars in the context of synergetic paradigm.

Key words: didactic logistics, types of didactic logistics, scientific text stated ideas, reflections, criteria, standards, professional mind, synergetic paradigm, conceptualization.

Vladymyr MOROZOV

PHILOSOPHY OF INNOVATION INTRODUCTION IN PEDAGOGICAL PROCESS36

Innovation introduction in pedagogical process is mostly realized through its improvement, radical transformation or change consisting of not only elements for traditional system modernization but its transformation as well. In teaching process as a part of pedagogical one innovatization has some peculiarities. First of all a philosophy of innovation is formed which is then concretized in basic teaching process elements – objective, content, procession, technological and evaluative and in its integral construction. The main criteria for pedagogical process effectiveness are determined by the indices of students' behavior and define basic forms and directions for pedagogical activity improvement in schools and higher educational establishments.

Key words: human being, education, pedagogical process, teaching process, innovation.

MODERN SCIENCE AND CONTEMPORARY EDUCATION

Kostiantyn KORSAK, Yury KORSAK

NOOGLOSSARY AS MEANS OF THE POSITIVE FUTURE AND THE NEW PURPOSES OF HIGHER EDUCATION42

Absence of positivity in modern evolution of mankind has in a political basis conflicts and disagreements, and in economic – absence of futuroterminology and out-of-date ideologically-theoretical base for thinking. Decisions of the United Nations Organisation and three world ecological forums in 1992, 2002 and 2012 have not specified a reliable way to a sustainable development as they contain only retro terms and do not offer concepts «from the future». Our Nooglossary contains only new terms with positive futurological creativity, exceeding efficiency of concept "ecology" in creation of a new basis for outlook and ability of mankind to live for the sake of own rescue. The Nooglossary can become an ideological basis for higher education in the XXI-st century.

Key words: mankind crisis, a collapse, a sustainable development, retroterminology, futuroterminology, nootechnology, noodevelopment, noothinking, Nooglossary.

Dmitry KASYANOV

PHILOSOPHICAL BASIS OF COMPREHENSION MODERN

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The nature nanotechnologies is considered in a context of a modern philosophical discourse; the author asserts, that nanotechnologies change the world by means of management of atom-molecular level of a matter, they should be opened to interaction with all nontechnical parties of life of the person; in a context «philosophies nanotechnologies» the person is considered as the subject of planetary actions which are carried out by means of more and more powerful industry; research nanotechnologies demands nature definition for nanoresources mankind, and also features of their formation (including educational means).

Key words: the person, education, a science, technologies, nanoscience, nanotechnologies, philosophy of nanotechnologies.

Maksym KARPASH, Yevstakhiy KRYZHANIVSKY, Oleg KARPASH

HIGHER ENGINEERING EDUCATION WITHIN SUSTAINABLE

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Nowadays, before the engineering training of students is conducted, there is a task not only to get new may-sided knowledge, but also to transform it into understanding of engineering nature, its value and role in each of possible spheres of economy. Realization of this task demands actualization of content and form for engineering specialist training. In this article, necessity to update contents and forms of training for engineers are considered. Challenges and requirements that arise nowadays towards engineers at the stage of sustainable development of the society are analyzed. The first steps to improve the methodology for engineering students training are described.

Key words: enineering, innovativ edevelopment model, sustainable development, engineering thinking.

TIME FOR REFORMATIONS: METHODOLOGY AND METHODICS OF EDUCATION PROCESS

Serhiy PODLESNY, Oleksandr PERIG

AN INNOVATIVE MODEL FOR ENGINEERING PERSONNEL TRAINING 61

The proposed material supplements and expands state-of-the-art and the key approaches to creation and use of unifying innovative model for engineering training, targeting achievement of the development-oriented areas of real sector of the knowledge-based economy. The proposed model is based on the subject-to-subject paradigm that assumes partnership between a lecturer and a student. The essential emphasis has been done on the project approach, when education is connected with practical work over real projects, e.g. the performance of the research work according to the industry orders.

Key words: higher education, science, industry, innovations, model, engineering personnel, competence approach, real sector of economy, multidisciplinary, knowledge-based economy, research, high technologies, paradigm, transfer.

Yaroslava KULBASHNA

PROFESSIONAL COMPETENCE FORMING OF FUTURE DENTISTS:

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In the article it is considered the modern views and approaches to the international professional competence forming, substantiation of the necessity for research and implementation of this concept in dental education. The concept of international professional competence of future dentists is developed as a basis for improving their competitiveness at international market.

Key words: international professional competence, future dentists, competentive approach, medical education, competitiveness, academic mobility.

HUMANISATION OF EDUCATION

Alexander FEDOROV

THE SYNTHESIS OF THEOLOGY AND MEDIA EDUCATION:

RUSSIAN SITUATION 74

The paper analyzes the process of media education in Russia related to theology, the Orthodox Church. The author traced the characteristic tendencies of teachers' theological orientation, the protective theory of media education.

Key words: media education, theology, media text, film, students, media competence.

Hanna ONKOYCH

PROFESSION ORIENTED MEDIA EDUCATION IN HIGHER SCHOOL 80

Terms «information literacy», «media literacy», «media information literacy», «specialist's media competence» used in foreign scientists' researches are being analyzed in this article. The attention is paid to necessity of understanding an «umbrella» concept for «media information literacy» as one of the basic terms for modern humanities and social sciences in knowledge society. As an example it is given a collective monograph «Media Competence of a Specialist» containing students' scientific studies that are listeners of elective course on profession oriented media education.

Key words: information literacy, media literacy, media and information literacy, higher education of Ukraine, media education, profession oriented media education, "umbrella" term, media competence, specialist's media competence.

Miroslav BAK

BASIC CONTRADICTIONS IN EDUCATION INFORMATION AREA

IN MODERN UKRAINE AND THE WAYS OF THEIR OVERCOMING 88

Contemporary education can be successful only under the condition of active use of communication, information technologies and their network supplements. Informatization of education is a major factor in achieving new objectives in education reforms as it modernizes content of education its means and forms for teaching process, maintains high level of teaching, individual approach, stimulates those who studies to independent work, increases effectiveness, access and quality of educational service.

Key words: human being, education, education reform, informatization of education, education information area, information communication technologies.

Valentyna SHUL'HA, Yryna SYKORSKAYA

PARTICULARITIES OF HIERARCHY OF VALUES OF POLISH AND UKRAINIAN STUDENTS94

The results of empirical studies of Polish and Ukrainian students' value orientations are represented in the paper. The analysis was carried out using the data collected from the interviews with the students of the chosen institutions. Comparison of the most preferable students' terminal values were conducted. The phenomena of "internal conflict" and "internal vacuum" of the respondents were identified. The impact of globalization processes on the found regularities.

Key words: cross-cultural research, values, value orientations, cultural differences, student youth.

FOREIGN EXPERIENCE

Sholpan KALANOVA , Meyrhul' ALPISBAYEVA

PARTICIPATING OF STUDENTS IS IN PROCEDURES OF PROVIDING OF QUALITY OF HIGHER EDUCATION : EXPERIENCE OF EUROPE AND KAZAKHSTAN102

The article covers the issues of student participation in the processes of external quality assurance in education. It analyzes the experience of selecting students to peer-review processes of quality assurance agencies in Germany, United Kingdom, Norway, Finland and Sweden.

Based on the study of European practice, the authors have systematized the criteria of student selection for forming the review panels of institutional and program accreditation at higher education institutions.

Suggested recommendations may be used by quality assurance experts in education.

Key words: quality of higher education, expert groups of students, accreditation

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Natalia SINELNIKOVA

FORMATION OF PEDAGOGICAL CULTURE OF THE FUTURE PRIMARY SCHOOL TEACHERS (THE SECOND HALF OF THE XX-TH CENTURY).....108

The article considers the problem of formation of pedagogical culture of the future primary school teachers in the educational process of higher education institutions in the historical context and served stages of its formation in the USSR (the second half of the the XXth century).

Key words: higher teacher education, pedagogical culture, pedagogical tact, pedagogical technique.

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Ol'ha IVANOVA

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