



THEORETICAL AND APPLIED ASPECTS OF SUSTAINABLE DEVELOPMENT

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THEORETICAL AND APPLIED ASPECTS OF SUSTAINABLE DEVELOPMENT

Edited by Tetyana Nestorenko and
Aleksander Ostenda

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2.3. IMPROVEMENT OF PROFESSIONAL COMPETENCE OF PHYSICAL CULTURE TEACHER IN THE SYSTEM OF POSTGRADUATE PEDAGOGICAL EDUCATION

Dynamic social and cultural transformations, profound transformations in the educational sphere, accompanying Ukraine's integration into the European educational community, are driving changes in the professional activities of the modern Teachers. Requirements for a modern specialist are largely subject. This means that the improvement of training is not solved today only by expanding its substantive content. Preparing for professional activities in today's environment is not limited to broadcasting a systemic body of knowledge and skills. It requires the development of certain social and professionally significant qualities and personality traits. This objectively leads to a reorientation of education systems towards a competency paradigm¹⁸¹.

Integration competency approach in training system is an objective necessity, formed in education as a response to social, economic, political, educational and pedagogical challenges of the market economy under globalization. Modern experts are required, which cannot be prepared only by expanding the subject matter of training, because they are different in nature and unsubjects some versatility. Preparedness for professional work, so the system is not limited body of knowledge and skills – it requires certain socially and professionally significant qualities formed motives and perceived need for professional growth and self. The new requirements of higher education in Ukraine and the many changes occurring in the field of physical education and sport, clearly outline the wide range of issues related to the problems of improvement of professional skills, in particular this applies to different aspects of improving the professional competence of teachers of physical culture¹⁸².

Attention from the state physical education and sport determined by their difficulty in introducing the modified terms of socio-cultural and politico-economic development of the modern, new requirements for professional skills of teachers of physical education. Formation of professional competence, which is accompanied by significant quantitative and qualitative structural transformation of the individual, to ensure the normal functioning of the human subjects of labor, requires specific conditions and future career during training. In terms of today's sports and the sports movement is an important component of social and cultural life; is a multifunctional phenomenon, which is a leader in physical and spiritual culture; stands relatively independent sector of the national economy; making a contribution to the economy¹⁸³.

The urgency of finding effective ways to improve the professional competence of teachers of physical training is determined by the needs of society in a new generation of teachers, which at high levels can realize the health, educational and training objectives consistent with the priorities of state educational policy of Ukraine. An important role in achieving a high level of professional competence given to postgraduate education system, which creates favorable conditions for process optimization training teaching staff, continuing professional development, self-development and self-improvement.

In modern teaching science developed a theoretical basis for solving this problem¹⁸⁴. Structural and logical analysis of the scientific literature shows that significant attention to improving the professional competence of teachers of different specialization in terms of

¹⁸¹ AZAROV, V. Rozvytok profesiynoyi kompetentnosti vchytelya fizychnoyi kultury v systemi metodychnoyi roboty zahalnoosvitnoho navchalnoho zakladu [Development of professional competence of physical education teacher in the systematic work of a comprehensive educational institution].

¹⁸² CHAYKA, V. M. Pidhotovka maybutnoho vchytelya do samorehulyatsiyi pedahohichnoyi diyalnosti [Preparing the future teacher for self-regulation of pedagogical activity], p. 16.

¹⁸³ KHRYSTOVA, T. E. Upravlinnya protsesom u sferi fizychnoho vykhovannya [Process Management in Physical Education], p. 11.

¹⁸⁴ BOHDANOVA, H. S. Kharakterystyka pedahohichnykh umov pidvyshchennya rivnya profesiynoyi kompetentnosti vchytelya fizychnoyi kultury [Characterization of pedagogical conditions for increasing the level of professional competence of a physical education teacher], p. 20.

HAYDUK, N. O. Teoretychni peredumovy formuvannya profesiynoho imidzhu maybutnikh uchyteliv fizychnoyi kultury [Theoretical background for the formation of professional image of future teachers of physical culture], p. 24.

postgraduate education paid F. Baybanova, I. Grishin, N. Wood, N. Stone, A. Onats, M. Polishchuk, V. Sayuk, E. Sofyanu, V. Strelnikov, L. Shevchuk and others. However, it was established that the problem of increasing and improving the level of professional competence of teachers of physical education in the postgraduate education is considered only in certain works of G. Bogdanova, L. Pyevitsynoyi, T. Pankratovych.

The value of competency approach to teacher training is that within it focuses on the practical component of training, directed activities to ensure readiness and capability specialist to perform a variety of social and professional functions, to act in changing and complex situations of professional activity¹⁸⁵. Thus, to determine the content and ways of forming professional competence can be subject to a thorough definition of the features of professional activity, typical tasks and functions of professional, determined in accordance with regulatory requirements.

In modern scientific and pedagogical literature it is not given enough attention to research of various aspects of the problem of raising the level of professional competence of the physical culture teacher in the system of postgraduate pedagogical education.

On the basis of aforesaid, the purpose of the work was to provide characteristics of pedagogical conditions that will increase the level of professional competence of the physical culture teacher in the system of postgraduate pedagogical education.

According to modern ideas, professional competence is a normative complex and integrative characteristic of a personality that defines its readiness and ability to perform functions of professional activities and effective solution of typical professional Tasks, focuses her on the constant professional self-improvement and self-realization based on the creative use of acquired knowledge, professional and life experience, values, abilities and professionally important qualities. It is defined as the quality of the employee's activity, which ensures the effectiveness of the solution of professional-pedagogical problems and typical professional tasks that arise in real situations of pedagogical or scientific-pedagogical activity, and depends on Qualifications, generally accepted of values, morality and ethics, possession of educational technologies, technologies of pedagogical diagnostics (surveys, individual and group interviews) and psychological and pedagogical correction, life experience, Permanent Improvement and implementation of the ideas of modern pedagogy, methods of teaching and teaching of disciplines and subjects, use of scientific literature and other sources of information to create modern forms of teaching, implementation Evaluation and value proposition reflection¹⁸⁶.

The professional competence of the physical culture teacher is defined as the complex integral state of his/her personality, which is characterized by a high level of theoretical, methodical, practical and psychological readiness to carry out professional and pedagogical Activities in accordance with the qualification requirements. The high level of personal qualities of the teacher and the ability to display a high level of social and pedagogical activity also acquires an important importance¹⁸⁷. This definition is fully disclosed content fullness of professional competence.

Specificity of professional activity of the teacher of physical culture is manifested in the complex solution of the health-improving educational tasks in the context of formation of physical, psychological, spiritual and social health of pupils in educational The modern school process. Based on the results of the systematic analysis of scientific and methodological literature, generalization of own experience, you can state that the peculiarities of professional activity of the teacher of physical culture manifests itself in complex generation and combination Theoretical knowledge, methodological approaches, motive skills and skills, free possession of the content of the curriculum and physical and health technologies. Taking into account the above theoretical and

¹⁸⁵ VÁLKOVÁ, HANA, GÓRNY, MIROSLAW. Personality of physical education teachers and adapted physical activity, p. 108.

¹⁸⁶ BUGAYENKO, T. V. K voprosu formirovaniya individual'nogo stilya professional'noy deyatel'nosti v protsesse pedagogicheskoy praktiki [On the issue of the formation of an individual style of professional activity in the process of teaching practice], p. 185.

¹⁸⁷ KURNYSHEV, Y., PALAGNIUK, T. Professional self-progress of the future physical education teacher: criteria and components, p. 87.

methodological positions, the professional competence of the teacher of physical culture should be understood as an integrative professional personality characteristics, which includes the combination of theoretical, psychological and pedagogical Knowledge, methodical approaches, motive skills, professionally important personal qualities, which allow the teacher of physical culture to effectively solve the pedagogical tasks in the educational process of a comprehensive educational institution.

To improve the level of professional competence of a physical culture teacher, it is necessary to create pedagogical conditions that will contribute to the effective implementation of this process. In a large explanatory vocabulary of the modern Ukrainian language, the term "condition" is defined as the necessary circumstances, features of real reality that allow the implementation, formation of something or contribute to something¹⁸⁸. This concept is quite widespread in scientific writings, emphasizing its significance for modern pedagogical science. In the context of our research, we will consider pedagogical conditions as important factors contributing to raising the level of professional competence of the physical culture teacher in the system of continuous pedagogical education.

The analysis of psychological and pedagogical literature allows us to assert that the notion of "pedagogical conditions" is considered in different aspects, while many authors cite their interpretation. So, G. Bogdanova believes that pedagogical conditions constitute a meaningful characteristic of the components (the content, organizational forms, means of training and the character of the relationship between the teacher and pupils), which simulate the pedagogical system¹⁸⁹. V. Chaika examines the pedagogical conditions as specially created real circumstances of the professionally oriented work of those who are studying¹⁹⁰. According to T. Sorochan Pedagogical conditions is the peculiarities of the preparation of school principals to managerial activity in the system after the Diploma of Pedagogical education, which contribute to the development of professionalism¹⁹¹. In our opinion, pedagogical conditions are specially created circumstances that involve the choice of content, forms, methods of teaching and contribute to achieving a high level of professional competence.

It should be noted that pedagogical conditions are different from other conditions, for example, social, psychological, and organizational¹⁹². Social conditions reflect the peculiarities of society's attitude to the problems of professional competence of pedagogical workers, requirements to attestation of teachers. Psychological conditions are based on the laws of development and self-realization of a teacher and provide psychological comfort taking into account individual characteristics. Organizational conditions define the general requirements for the structure and order of training by teachers of refresher courses¹⁹³.

Based on the peculiarities of continuous training and retraining of pedagogical staff, taking into account the theoretical and methodological provisions of increasing the level of professional competence of the physical culture teacher in the system of postgraduate pedagogical education, We have substantiated and defined the pedagogical conditions that contribute to the increase of the level of specified quality in specialists of physical culture, as well as the ways of their implementation in the practice of continuous pedagogical education.

¹⁸⁸ Velykyy tlumachnyy slovnyk suchasnoyi ukrayinskoyi movy: 250000 [The Great Interpretive Dictionary of Modern Ukrainian: 250000], p. 1296.

¹⁸⁹ BOHDANOVA, H. S. Kharakterystyka pedahohichnykh umov pidvyshchennya rivnya profesiynoyi kompetentnosti vchytelya fizychnoyi kultury [Characterization of pedagogical conditions for increasing the level of professional competence of a physical education teacher], p. 21.

¹⁹⁰ CHAYKA, V. M. Pidhotovka maybutnoho vchytelya do samorehulyatsiyi pedahohichnoyi diyalnosti [Preparing the future teacher for self-regulation of pedagogical activity], p. 71.

¹⁹¹ SOROCHAN, T. M. Pidhotovka kerivnykiv shkil do upravlinskoyi diyalnosti: teoriya ta praktyka [Preparing School Managers for Management: Theory and Practice], p. 134.

¹⁹² BOZHYYK, M. V. Profesiyni ta osobysti yakosti vchyteliv-predmetnykiv i osoblyvosti yikh formuvannya zasobamy profesiyno-prykladnoyi fizychnoyi pidhotovky [Professional and personal qualities of subject teachers and peculiarities of their formation by means of vocationally applied physical training], p. 19.

¹⁹³ KHRYSTOVA, T. E. Upravlinnya protsesom u sferi fizychnoho vykhovannya [Process Management in Physical Education], p. 38.

The first pedagogical condition – ensuring positive dynamics of development value proposition the attitude of teachers of physical culture to professional self-improvement and self-development during training. The basis of pedagogical conditions laid the conscious, purposeful choice of a teacher of physical culture regarding value proposition attitude to own creative self-development and self-improvement. This is because the value proposition of the physical culture teacher's attitude to professional improvement is one of the most important factors in improving the level of professional competence. The presence of a value proposition attitude of the teacher to professional self-improvement and self-development is the motivation that is needed to carry out certain actions that will lead to positive results in professional activities and personal development¹⁹⁴.

To enhance the value proposition attitude, motivation and interest of the teacher to the professional self-improvement, we introduced a "portfolio of professional achievements of the teacher of physical Culture", which was to encourage participation in various activities with Improvement of professional training, independently plan own activities, the ability to choose measures to improve the level of vocational competence in accordance with their own needs. Another component of providing a positive dynamics of development value proposition the attitude of teachers of physical culture to professional self-improvement and self-development is the creation of the appropriate environment and atmosphere in the pedagogical team, which supports and Creative pedagogical Search is encouraged, qualified methodological assistance is provided.

The second pedagogical condition consists in expansion and enrichment of practical experience of physical culture teachers with the competent of solving pedagogical situations that arise in professional activity, based on the use of interactive teaching methods. In this context, it is assumed the formation of cognitive skills, communication abilities in the process of solving specially modeled professional situations; development of ability to interact with all participants of the teaching and educational process taking into account the principles of humanistic pedagogy; Creating comfortable conditions for teaching teachers of physical culture, in which each participant feels equal partner, successful and intellectually capable; exchange of professional practical experience, which helps to find an adequate way of solving pedagogical situations, which arise in professional activity of the teacher of physical culture.

Based on the specifics of the professional activity of physical education teachers, we highlighted as a third pedagogical condition for improving the mastering process by teachers of modern physical and health technologies and preparing for their implementation in Educational-educational process of secondary school. Raising the level of professional competence of the teacher of physical culture includes accumulation of not only theoretical information, but also mastering practical skills in modern technologies of physical and recreational activities. According to the above, we have introduced a project of professional development, which aims to increase the musculoskeletal experience of physical education teachers and master classes to create skills to elect and implement modern fitness technologies in Teaching and educational process during the lessons of physical education and extracurricular activities with students of secondary school.

The university-type higher education institution is the tip of the education system and is traditionally regarded as the center of intellectual and spiritual formation of the students. Therefore, the third pedagogical condition requires students to provide information on forms, methods and means of development and improvement of vital motive qualities, preservation and strengthening of health, increase of level of physical preparedness. The urgency of the problem of the student's health is associated with the need to instill her to a healthy lifestyle, to increase its physical activity as an important part of intellectually creative personality. There is a contradiction between the need of society in healthy citizens, able to realize its physical, intellectual forces in the sphere of production, science, culture and low level of public health and indifferent attitude of people, in

¹⁹⁴ AZAROV, V. Rozvytok profesijnoyi kompetentnosti vchytelya fizychnoyi kultury v systemi metodychnoyi roboty zahalnoosvitnoho navchalnoho zakladu [Development of professional competence of physical education teacher in the systematic work of a comprehensive educational institution].

particular, significant Number of subject teachers, to a healthy lifestyle. Consequently, the urgent need to prepare higher education applicants, which are aware of the significance healthy lifestyles and health-saving technologies, is overdue.

Today there are no generalizing works of scientists from Ukraine and abroad, which discusses theoretical and methodical foundations of forming positive attitude to physical culture among students of universities and outlined and previously documented these principles. The modern complex socio-economic situation in Ukraine, as well as the state of general culture and spirituality of population brings to the national Higher School a new extremely important task. Its essence is the need to review the conceptual bases of the organization of training of specialists and appropriate definition of its content and technologies that would provide a qualitatively new level of their professionalism¹⁹⁵.

Participation of the teachers of physical culture in the projects of professional development contributes to the level of professional competence, formation of thorough knowledge and skills in teaching methods of physical education, use of innovative. Health-saving technologies of studying in physical raising and physical-cultural and health-improving direction of physical culture lessons. Attracting specialists of physical culture to professional improvement projects positively influences the increase of their motivation to creativity, self-education and self-improvement.

Master classes provide a possibility for teachers of physical culture to get acquainted with the practical experience of leading teachers and master professional skills of conducting lessons using a variety of fitness programs. During the master classes, teachers have the opportunity not only to see, but also independently perform those exercises and techniques that the master teacher applies in his practice. This is positively reflected on the professional growth of the teacher and his level of professional competence.

Master classes are an interesting form of organization of training for teachers who exhibit an active position on finding ways of their professional growth, and for teachers who passively refer to their own professional development. The important value of the master classes are also for the master teacher, because he develops and improving his professional skills and skills. Master classes are designed for a certain group of physical culture teachers, who are united by a common goal – to adopt his work experience, professional and personal qualities, skills, etc. in the teacher-master. Most often, this transmission is carried out by direct display of tricks to explain each action. The Master class includes a set of methodical techniques, original pedagogical actions on effective solution of educational tasks, which only this teacher owns. The positive result of training in the Master class is that: the teacher, having mastered the proposed master teacher with the mechanism of learning, activates his pedagogical experience and finds ways to update it; the passive teacher, performing a certain action algorithm, is included in the active cognitive activity.

During the preparation of master classes it is necessary to rely on the algorithm of the technology of its realization:

1. Presentation of the pedagogical experience of master teacher.
 - 1.1. The brief description of pupils of the chosen contingent.
 - 1.2. Short substantiation of the main ideas of technology that is effective in working with this category.
 - 1.3. Description of achievements of the Master Teacher's experience.
 - 1.4. Defining problems and perspectives in the teacher's work.
2. Presenting the lessons system.
 - 2.1. Description of the lessons system in effective pedagogical technology.
 - 2.2. Defining the main methods of work, which the teacher-master will demonstrate to the audience.
3. Simulation game.

¹⁹⁵ BOZHYYK, M. V. Profesiyni ta osobysti yakosti vchyteliv-predmetnykiv i osoblyvosti yikh formuvannya zasobamy profesiyno-prykladnoyi fizychnoyi pidhotovky [Professional and personal qualities of subject teachers and peculiarities of their formation by means of vocationally applied physical training], p. 22.

3.1. The Master Teacher conducts a lesson with the teachers (participants of the Master Class), demonstrating the methods of effective work with pupils.

3.2. During the master class, the participants simultaneously act as the students, who are actively involved in work, as well as experts analyzing and evaluating the proposed actions and measures.

4. Modeling.

4.1. Independent work of the participants of the Master class on developing their own model of lesson in the technology of teacher-master lesson.

4.2. The teacher-Master performs the role of consultant, organizes independent activity of participants and manages it.

5. Reflection.

5.1. Discussion on the consequences of joint activity of the master and participants.

5.2. Achievement of goals in the work of master-class is determined according to the set goal.

Thus, characterized by pedagogical conditions is a favorable basis for achieving a high level of professional competence of physical education teachers, their professional growth and self-improvement. Especially we focus on the application of interactive forms of learning and implementation of master classes that most effectively influence the dynamics of professional competence development.

Prospects for further research in this direction will be aimed at presenting the experimental results of the proposed pedagogical conditions for the development of professional competence of physical education teachers in the postgraduate pedagogical Education.

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ANNOTATION

Part 1. THE ECONOMIC COMPONENT OF SUSTAINABLE DEVELOPMENT

1.1. Nataliia Hembarska, Khrystyna Danylkiv, Khrystyna Gorbova. SOCIAL RESPONSIBILITY FOR BUSINESS AS AN INTEGRATED SUSTAINABLE DEVELOPMENT

The essence of the concept of sustainable development and the components that provide it in the process of doing business have been clarified. Priorities in achieving the desired results of sustainable development have been identified. The interpretation of the concept of corporate social responsibility by international organizations is considered. The characteristics of sustainable development have been isolated and their alignment with the components of business social responsibility according to international standards has been carried out. The models of corporate social responsibility are indicated. The conclusions about the causes and purpose of the concept of corporate social responsibility and its impact on sustainable development are made.

1.2. Nadiya Dubrovina, Oksana Tulai, Erika Neubauerova. TENDENCIES OF FUNDING HEALTH CARE IN EU COUNTRIES: THE FEATURES AND PERSPECTIVES

The article considers the problems of functioning and financing mechanisms of national health care systems in the EU countries. The characteristics of the distribution of total government expenditure on health as percentage of GDP were studied on the sample of the values for EU countries for period of 2000-2018. The tendencies of the dynamics of total government expenditure on health as percentage of GDP were analyzed by means of linear trends and Holt's models and predicted values for next time period were given.

1.3. Nataliia Ivasyshyna, Anton Palchyk. EVALUATION OF THE TOURIST ROUTE OPTIONS

The article describes the method of comparison of options of choice of tourist routes is considered in the work. A method of comparing passenger transportation routes with regard to the cost of transportation and the socio-economic cost of time spent by passengers is proposed. The cost of transporting passengers by bus depends on many factors: geometric elements of the highway, weather conditions and type of buses. It is suggested to take into account the speed reduction in settlements, at pedestrian crossings. The end result will be the sum of the cost of transportation and the monetary expression of the time spent by the bus passengers.

1.4. Olha Khaietska. INVESTMENT ATTRACTIVENESS OF UKRAINIAN REGIONS IN CURRENT CONDITIONS

Attracting foreign investment is an important and topical issue for Ukraine. Improved investment attractiveness will lead to the emergence of new opportunities for the development of promising industries and regions of the country, improving economic stability, increasing business activity, will ensure the country's GDP growth.

The article defines the integral assessment of the investment attractiveness of the region and the factors that influence it. The importance of the factors and indicators that determine the investment attractiveness of the region is noted. The dynamics of capital investment by regions of Ukraine presented and analyzed, places of individual regions of Ukraine for the assessment of capital investments has identified, and it have noted that it is necessary to make a region in order to get a high rating.

The strategic goals and guidelines for enhancing the investment attractiveness of the national economy and the stages of the process of development of the investment infrastructure of the region are proposed.

1.5. Olena Polova. CONCEPTUAL FOUNDATIONS OF UKRAINE AGRARIAN SECTOR DEVELOPMENT

The emergence of global economic chains has led to an intensification of competition between countries. For Ukraine, the agro-industrial complex has traditionally remained a priority and strategically important sector of the economy. The full utilization of the export potential of the country's agro-industrial complex plays an important role in its integration into the world economic space. Therefore, it is relevant to determine the conceptual basis for the development of the agricultural sector of Ukraine in the conditions of increased international competition. Ensuring the sustainable development of the agrarian sector of the economy is based on the realization of its multifunctional mission as a whole and the harmonization of the main components (economic, social and environmental) in particular.

1.6. Valentyna Smachylo, Taras Nalyvaiko. ADAPTIVE CONTROL OF THE PERSONNEL OF THE ENTERPRISES: THE THEORETICAL ASPECT

The category "adaptive control" was identified, the basic approaches to its conception were determined and the author's vision statement was provided. The concept "the personnel of the enterprise" was defined. The structural and logical scheme of adaptive control was suggested, and also the hierarchy of adaptive control of the personnel of the enterprise was defined.

1.7. Yulia Stavskaya. THE COMMUNICATION COMPETENCE AS THE BASIS OF PROFESSIONALISM IN SOCIO-ETHICAL MARKETING

The article examines the views of domestic and foreign scientists on the reorientation of production from the mass to the individual consumer; In a context where job creation in manufacturing is usually preceded by marketing research on individual demand, social communications begin to fulfill the functions of the "central nervous system", which provides vitality for the economy as a whole organism. The essence of the category "social and ethical marketing" is considered. It is proved that in the theory of social communication it is accepted to distinguish between practical and proper communicative effectiveness of social interaction. It is determined that the communication competence of the personal sale operator is defined as the system unity of four factors: communication knowledge, creativity, responsibility, initiative.

Part 2. THE ROLE OF EDUCATION IN SUSTAINABLE DEVELOPMENT

2.1. Inna Siaska. THE CONCEPT OF SUSTAINABLE DEVELOPMENT AS A METHODOLOGICAL BASIS FOR THE ECOLOGICAL OF EDUCATION IN HIGHER PEDAGOGICAL INSTITUTIONS

The article highlights the main approaches to understanding the concept of sustainable development in education. Its realization in higher pedagogical education of other countries is analyzed. The characteristic features of education for sustainable development are highlighted. The ways of introduction of education for sustainable development in the system of professional training of future teachers are established.

2.2. Zhanna Chernyakova, Mikhail Lyannoy, Tetiana Buhaienko, Yurii Kurnyshev. KEY COMPETENCIES IN THE CONTEXT OF EDUCATION FOR SUSTAINABLE DEVELOPMENT

The main aim of the scientific study is to analyze the normative documents and recommendations in order to define the essence of the term «education for sustainable development». The pedagogical approaches to the education for sustainable development have been

described: the competence approach, the emancipatory approach. On the basis of analysis of normative documents and literature the classification of the key competencies is presented in the research. The characteristics of the competencies (systems thinking, anticipatory, normative, strategic, collaboration, critical thinking, self-awareness, integrated problem-solving) are offered. The pedagogical methods which help to foster the mentioned competencies are characterized and outlined in the study.

2.3. Tetiana Khrystova, Yevhen Karabanov, Inessa Rebar. IMPROVEMENT OF PROFESSIONAL COMPETENCE OF PHYSICAL CULTURE TEACHER IN THE SYSTEM OF POSTGRADUATE PEDAGOGICAL EDUCATION

Based on the systematic analysis of scientific and pedagogical literature and generalization of own experience, the pedagogical conditions are grounded, which determine the level of professional competence of the teacher of physical culture in the postgraduate education system. A detailed description of each pedagogical condition is provided and its informative components are revealed, which positively influence the professional development, self-development and self-improvement of the teacher of physical culture during the period of advanced training, pedagogical staff. The generalized algorithm of technology of organization and holding of master classes in physical education at secondary school, which most effectively influence on dynamics of professional competence development of the teacher, is given.

2.4. Kateryna Kovalova. COMMUNICATIVE COMPETENCE IN THE SYSTEM OF EDUCATIONAL TRAINING OF FUTURE ENGINEERS-AGRARIANS

The communicative competence in the system of professional training of future engineers-agrarians is studied. The structure of the professional competence of a specialist in which scientists distinguish communicative competence is examined. It is shown that the communicative competence is a necessary component of the professional development of future engineers-agrarians, which promotes their professional success, career growth and helps to meet the modern requirements of society. The specialists' communicative competence should include knowledge of professional terminology, the ability to use it in oral and written professional speech, based on their own internal motivation and experience, recognizing the need for self-improvement. In the article we define the model of formation of the communicative competence of a student. It includes motivational-emotional, gnostic, conative and reflexive components.

2.5. Olena Lakomova, Daria Shyian. TOURISM EDUCATIONAL PRACTICES AS THE TOURISM INDUSTRY SUSTAINABLE DEVELOPMENT GUARANTEE

Tourism educational practice use as the guarantee of tourism industry sustainable development is analyzed in the article. The practice organization and completion basic stages are discussed, the main tourist sites are highlighted according to the different tourism types, the professional skills and abilities acquired by the students during the tourism educational practice are clarified.

2.6. Diana Lohvinova, Oleksandr Lohvinov. THE PROBLEM OF COGNITIVE PROCESSES STUDY THROUGH THE USE OF COMPUTER TECHNOLOGIES

This article is devoted to the problem of attention development at school age, as well as the problem of development of methodological tools for studying its properties. The article presents a computerized method "Corrective Test", which allows to obtain quickly reliable data of concentration, switching and distribution of attention in a large sample of examined people, as well as to receive empirical data of high school students in relation to their educational progress at school.

2.7. Oksana Loiuk, Tetyana Gritchenko. THE ALGORITHM OF SCIENTIFIC CONCEPTS FORMATION IN THE JUNIOR PUPILS IN THE LEARNING PROCESS

The article reveals the urgency of the problem of scientific concepts formation in junior pupils. The algorithm for the scientific concepts formation in junior pupils has been based on the synthesis of M. Maslova's concept of thinking integrity; Y. Ponomariov's research on the inner action plan; Yu. Kulyutkin and G. Sukhobskaya's position on transition from the operational components of visual-thinking to the content components of the conceptual, research psychologists (O. Kulchytska, O. Luk, O. Molyako, etc.) about the creative process structure; P. Halperin and N. Talyzina's research results concerning mental actions and concepts formation.

The conclusions about the algorithm effectiveness for the scientific concepts formation in junior Pupils in the process of studying the disciplines "I am in the world" and "Natural science" have been presented.

2.8. Svitlana Skvortsova, Anastasiia Ishchenko, Tetiana Britskan. USING OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN THE PRIMARY SCHOOL TEACHER'S PROFESSIONAL ACTIVITY

The article is devoted to the study of peculiarities of the use of information and communication technologies (ICT) by primary school teachers in their professional activities, in particular, with regard to the use of various online services for teachers. The work functions of the Ukrainian primary school teacher have been studied and on this basis a set of online services has been selected to help the teacher in his professional activity. The advantages and disadvantages of using the online services included in the complex are revealed. The results of a survey of teachers of primary school of Odessa region on the use of ICT in professional activity are presented. The results of diagnostics are analyzed and the main reasons that hinder the implementation of ICT in the professional activity of primary school teachers are found out.

2.9. Yuriy Slysarchuk, Olha Slyusarchuk. FORMATION OF COMPETENCES IT-PROFESSIONALS DURING PROJECT STUDY

The ways of solving the problem of improving the quality of bachelor education in IT specialties are offered. Formation of competencies of future specialists is based on the technology of project-oriented study. Evaluation of competency formation indicators is made using scrum methodology

Part 3. APPLIED ASPECTS OF SUSTAINABLE DEVELOPMENT

3.1. Oleksandr Nepsha, Olga Levada, Iryna Arsenenko, Larysa Donchenko, Larysa Prokhorova. ENVIRONMENTAL ASPECTS OF SUSTAINABLE DEVELOPMENT

Limited natural resources are now becoming one of the most acute environmental problems. Solving environmental management tasks requires not only knowledge of the functioning of ecological systems, but also a certain moral education and awareness of the need to restructure social production and consumption. Environmental monitoring allows you to quantify all of the negative processes in nature that cause human activity. It also allows you to see the positive results of environmental measures.

3.2. Vadym Abyzov. SUSTAINABLE DESIGN. INNOVATIVE GREEN BUILDING MATERIALS

The need of creating a harmonious environment and solving diverse and complex aspects related to its development and construction in line with the concept of sustainable development is a major and urgent task in front of modern architecture and construction science. In this regard, the

article discusses and summarizes the features and advantages of using innovative building materials, and in particular such as: recycled materials; traditional natural building materials made on the basis of modern technologies; nanomaterials. Various examples of their successful application in modern buildings are given.

3.3. Ina Isac, Ana Simac. ENHANCING INTERDISCIPLINARY CONNECTIONS BY APPROACHING THE ARTISTIC POTENTIAL

The transmission of the values produced by experience from one generation to another gives rise to new needs, such as those of raising, socializing and culturalizing the younger generations. Educational systems reforms around the world are oriented towards global transformations with maximum efficiency in the educational process – what is learned should be attractive, easy to assimilate and useful. The development of creative-human skills allows the growth of an intelligent and praxiological generation. Arts have a substantial role in the realization of the meaning of learning contents and offer students an abundant source of means of self-expression in arts – both mental and communicative. These are essential for formulating their own meaning, but also for understanding the messages transmitted from outside and act as a link between all the cultural and scientific fields in school.

3.4. Tetiana Koliada-Berezovska, Olga Romanova. DIGITALIZATION OF EDUCATION FOR THE SUSTAINABLE DEVELOPMENT SAKE: LINGUISTIC ASPECT

The education is considered in the context of modern society's basic processes digital transformation, therefore analyzed are that digitization communicative, terminological, and linguistic aspects. Attention is paid to the most debatable categories of scientific discourse, new trends and opportunities in linguistics, while emphasizing the fact that digital technologies in the course of teaching a non-native language contribute to the sustainable development of the independent, extra-curricular work skills, since these types of educational activities are specific with their developing, stimulating and researcher functions, and the classes' distant-learning format gives every ground to speak here about a fundamentally new principle of linguistic-educational activity organization, based on a motivated attitude towards self-education and self-improvement as sustainable personal development components.

3.5. Andrii Lagun, Nataliia Kukharska. INTERDISCIPLINARY CONNECTS FOR EDUCATIONAL PROGRAMS IN THE SPECIALTY "CYBERSECURITY"

The nowadays issues of modern society is tied with cybernetic threats and terrorism and tell the universities requirements of quality of studies for future information security professionals. In this article it is considered features of creating the new education program following the new Ukrainian standard for preparation bachelors in the specialty "Cybersecurity". Also there are full analysis of interdisciplinary connects and features for creating new fundamental and professional modules using educational program. These modules were coordinated by employers.

3.6. Iryna Mironova. EDUCATION DEVELOPMENT OF THE POLISH POPULATION IN SOUTHERN UKRAINE (FROM IMPERIAL TIMES TO THE PRESENT)

The article covers the development of Polish community education in Southern Ukraine in the imperial, Soviet and modern epochs. It is specified number of the Polish population, the percentage of educated persons and the number of Polish educational institutions in the region by census results 1897, 1926 and 2001. The primary focus is on the opening of Polish language teaching schools. The negative ideological pressure of the imperial and Soviet governments on Poles' education, aimed at the continuous Russification of the population, is revealed. The role of the independent Ukraine government and non-governmental organizations in reviving the language, education and culture of the Polish population in the country is shown.

3.7. Tatiana Spirina, Marina Sytnik. AGGRESSIVE BEHAVIOR OF TEENAGERS: CAUSES AND CONSEQUENCES

In today's conditions of much more liberal values, a certain level of individual aggression becomes a factor not only of social adaptation and the survival of a part of the population. And in this context, an important role is played by the study of forms of its manifestation, which, in particular, may include criticism, humor, attempts to build a career by identifying the shortcomings of their competitors, unwillingness to start a family, participating in protests and active position in social networks. The article deals with the analysis of various manifestations of aggression and aggression in the teenage environment, and analyzes the causes and consequences of adolescent aggressive behaviour.

3.8. Inna Pidbereznykh. INTERNATIONAL EDUCATION STRATEGY IN THE ASEAN COUNTRIES' POLICIES

The current study explores contemporary trends, challenges, and opportunities in the ASEAN (Association of Southeast Asian Nations) region toward developing a culture of harmonization among all nations and determining how the internationalization of higher education can assist in this process. Explores different reform agendas undertaken by policy-makers of some South-East Asian countries and examines the development of the regionalization and inter-regionalization processes of higher education as a challenge to the narrow focus of a center-periphery framework. The internationalization of higher education over the last two decades has transformed the education sector into a globalized, interconnected knowledge-based society. Higher education institutions and national governments have been compelled to pay more attention to academic relations and knowledge exchange opportunities with partners in other countries, particularly in the same region. The current study aims to investigate the role of higher education internationalization in Southeast Asian nations for the development of a more harmonized region. An exploratory comparative approach has been used to identify and investigate recent internationalization trends in ASEAN member countries. The internationalization of higher education is a compelling and logical approach to increasing harmonization at the intra-regional and interregional levels. ASEAN has looked to the architecture and initiatives of the European Higher Education Area as a source of inspiration. Should it wish to, the approach to the development of an ASEAN Higher Education Area will be qualitatively different. This has as much to do with the paradigmatic differences between these two regional communities as their structural differences.

3.9. Nataliia Shevchenko. THE CONTRIBUTION OF POLISH SCIENTISTS TO THE DEVELOPMENT OF EDUCATION AND SCIENCE IN THE SOUTH OF UKRAINE (SECOND HALF OF XIX – BEGINNING OF XX CENTURIES)

The article highlights the contribution of Polish scientists to the development of education and science in Southern Ukraine in the second half of the XIX and early XX centuries. In particular, it is disclosed an activity of A. Artsymovych, as appointed trustee of the Odesa Educational District, his work in the course of reforming higher, secondary and elementary education in the region, as well as the opening of Novorossia University in Odesa. Particular attention is paid to the scientific activity in the field of natural sciences of the following professors of the University: L. Tsenkovsky, F. Kamensky, B. Verigo, V. Rotert, F. Porodko, B. Grinevetsky, L. Berkevych, O. Verigo. The role of J. Pachoski and S. Mokrzhetsky in the foundation of the Kherson and Tavria Natural and Historical Museums is shown.

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Part 2. THE ROLE OF EDUCATION IN SUSTAINABLE DEVELOPMENT

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Part 3. APPLIED ASPECTS OF SUSTAINABLE DEVELOPMENT

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