

**REVIEW**  
**of the Official Opponent,**  
**Doctor of Pedagogical Sciences, Professor**  
**Serhii Vasylovych Humeniuk**  
on the dissertation by **CHEN Ronghao**  
**«Formation of Managerial Competence in Future Physical Education Teachers**  
**in Higher Education Institutions under Blended Learning Conditions»**  
for the degree of Doctor of Philosophy  
in the Specialty 011 Educational, Pedagogical Sciences

**Relevance of the research topic and its connection with relevant programs, plans, and topics.** Given the current challenges faced by the higher education system and the conditions of learning during the Covid-19 pandemic and martial law in Ukraine, the quality of professional training of future teachers in higher education institutions in the context of blended learning is of great importance. The new Ukrainian school needs competent specialists, skilled organizers, and managers who can perform their professional duties at the appropriate level. Therefore, it is important for the professional training of future teachers, including physical education teachers, to acquire management skills related to professional management and the expansion of future management experience.

Acquiring managerial competence in higher education institutions allows them to solve real pedagogical and managerial problems, skillfully manage the process of physical education of schoolchildren in physical education classes, motivate and assess the level of students' achievements using various forms of control and teaching methods, and critically analyze their own managerial decisions in the field of physical education. The managerial competence formed in the process of professional training is the ability of a future physical education teacher to properly solve complex educational, organizational, and managerial tasks.

The relevance of the problem of developing the managerial competence of future physical education teachers in higher education institutions in the context of blended learning, as well as the focus on improving it, confirms the need to study this phenomenon and argues for the feasibility of its study, theoretical justification, and experimental verification of the effectiveness of pedagogical conditions in the training of these specialists. In fact, the dissertation research by Chen Ronghao is aimed at solving this scientific problem.

**Connection of the work with scientific programs, plans, topics.** The dissertation research was carried out in accordance with the research work of the Department of Educology and Pedagogy of the West Ukrainian National University «Professional growth of an educator in an educational institution: fundamental, theoretical, technological, and practice-oriented aspects» (state registration number

0121U110855). The research topic was approved at a meeting of the Department of Educology and Pedagogy (Minutes No. 6 of December 19, 2024).

**The most significant scientific results contained in the dissertation.** Based on the study of a large volume of scientific sources and the generalization of the theoretical and empirical experience of scientists, the dissertation author analyzed the professional training of future physical education teachers in higher education institutions in the context of blended learning. The analysis of the dissertation makes it clear that the author has investigated the substantive essence of the scientific definitions of «physical education in the field of education» «future physical education teacher,» «competence,» «managerial competence,» «professional training of future physical education teachers for managerial activities,» and «blended learning.» We consider the identification of components, clarification of criteria and indicators, and establishment of levels of managerial competence of future physical education teachers to be valuable achievements. The author's findings on the peculiarities of forming the managerial competence of future physical education teachers through information and communication technologies deserve approval. We also consider the identification, theoretical justification, and experimental verification of the effectiveness of pedagogical conditions and a structural-functional model for the formation of managerial competence in future physical education teachers in higher education institutions to be among the most significant scientific results.

**New facts obtained by the applicant.** The dissertation is the first to theoretically and methodologically substantiate the pedagogical conditions for the formation of managerial competence of future physical education teachers in higher education institutions in the context of blended learning (creation of a motivational and value-based educational environment; focusing professional training disciplines on managerial activities; using professionally-oriented situations in the training process; stimulating self-education activities) and developed practical ways of implementing them within the framework of teaching educational components of professional and practical training, conducting extracurricular classes and the author's Program.

In the dissertation author has developed and scientifically substantiated a structural-functional model for the formation of future physical education teachers in higher education institutions in the context of blended learning of managerial competence, as a combination of strategic (including social demand for teacher-managers, goals, objectives, scientific principles of research), conceptual and methodological (including scientific approaches, content and management content of professional cycle disciplines, pedagogical conditions, technological support for the training of students, the elective program «Management Competence as an Important Component of Professional Development of Teachers») and criterion-diagnostic (includes components, criteria, levels of management competence development) blocks, which take into account dynamically changing requirements.

The criteria (personal, knowledge, activity, and reflective) and levels (high (perfect), sufficient (optimal), satisfactory (productive), low (basic)) of the development of managerial competence of future physical education teachers in higher education institutions in the context of blended learning.

The content of professional training in the formation of managerial competence in future physical education teachers in higher education institutions has been further developed, and the set of forms and methods of organizing the educational process in the formation of this competence in higher education students in blended learning conditions has been expanded.

**The degree of validity of the scientific propositions and conclusions formulated in the dissertation.** Analysis of the content of the dissertation and publications by Chen Ronghao gives grounds for concluding that the results presented by the author are scientifically valid and reliable. The study of the source base (460 titles) provided an opportunity for a comprehensive analysis of the subject of the study and the formulation of relevant conclusions. The novelty and reliability of the general conclusions of the dissertation are ensured by a comprehensive analysis of a significant number of sources; the use of appropriate methodological approaches to the study of the formation of managerial competence in future physical education teachers in higher education institutions and a set of interrelated scientific methods to solve specific tasks and achieve the research objectives; the effective implementation of the materials and results of the research in the work of institutions of the higher education system of Ukraine.

The scientific apparatus outlined in the introduction provides a comprehensive overview of the author's vision for solving the problem under study. The dissertation has been prepared at an appropriate scientific level. The author has a good grasp of the theory of the problem and the methods of its study. The layout of the work, the tables, figures, and appendices included in it, which complement the main content of the dissertation and visualize the key points, make a positive impression. The content of the abstracts reflects the content of the dissertation and highlights its essential aspects and main points. The level of testing of the research results is sufficient and is confirmed by the author's participation in scientific and practical conferences at various levels.

**The significance of the results obtained for science and practice.** A thorough and comprehensive analysis of Chen Ronghao's dissertation research made it possible to identify the most significant scientific results that are of theoretical and practical importance for pedagogical science and practice.

The theoretical and practical significance of the results presented in the dissertation is confirmed by the analysis of the theoretical foundations of the formation of managerial competence in future physical education teachers in higher education institutions under blended learning conditions, the development of diagnostic tools for identifying the levels of managerial competence of future

physical education specialists in higher education institutions. The practical significance of the research lies in the development and implementation in the educational process of higher education institutions of the author's Program for the formation of managerial competence in future physical education teachers in higher education institutions under the conditions of blended learning by making changes to the content of certain topics of the academic disciplines «Pedagogy» and «Theory and Methods of Physical Education» (specialty 014.11 Secondary Education (Physical Education), bachelor's level) and strengthening interdisciplinary links between them; the author's elective course «Management Competence as an Important Component of Professional Development of a Teacher» which was introduced and implemented as part of the independent work of bachelor's degree students in physical education in higher education institutions; a set of mind maps for informational support in studying the discipline «Pedagogy» with the aim of clearly schematizing intra-disciplinary and interdisciplinary connections.

The main provisions and conclusions of the dissertation research can be used in the professional training of future teachers in higher education institutions, in particular in the process of developing teaching and methodological support for the formation of managerial competence of teachers and the creation of educational components for the development of managerial skills, abilities, and aptitudes of future physical education teachers. In the future, the proposed research materials can be used in scientific research, conducting scientific and methodological seminars, adapted and implemented in the system of postgraduate training and the process of self-development and self-education of practicing physical education teachers.

Confirmation of the reliability of the conclusions made during the review of the dissertation can be found in documents confirming the implementation of the research results in the educational process of professional training of future physical education teachers, in particular Kamyanets-Podilsky Ivan Ohienko National University (certificate of implementation No. 34/25 dated 26.08.2025), Melitopol State Pedagogical University named after Bohdan Khmelnytsky (certificate of implementation No. 01-15/1707 dated 23.09.2025), State Higher Educational Institution «Uzhhorod National University» (certificate of implementation No. 3236/01-14 dated 25.09.2025).

**Recommendations for the use of the results and conclusions of the dissertation.** The main ideas, materials, provisions, and conclusions of the dissertation can be used for the purpose of conducting further scientific research devoted to the study of the managerial competence of future physical education teachers in higher education institutions; in the process of developing teaching aids, textbooks, new training courses, and methodological recommendations for using the results presented in the dissertation in the educational practice of higher education institutions in Ukraine.

**Assessment of the content of the dissertation and its completeness.** The degree of validity of the scientific propositions, conclusions, and recommendations formulated in the dissertation is largely ensured by the logical structure of the work. The dissertation consists of an introduction, three chapters, conclusions to the chapters, general conclusions, a list of sources used, and appendices. The logic and sequence of the text correspond to the solution of the research tasks to achieve its goal. The logical structure of the work is ensured by conclusions and generalizations.

The first section, «Theoretical Foundations for Developing the Management Competence of Future Physical Education Teachers», highlights the main definitions for researching the professional training of physical education bachelor's degree students for their future careers. It examines the essential and substantive characteristics of the management competence of future physical education bachelor's degree students. The professional training of future physical education teachers for managerial activities in a blended learning environment is analyzed. The peculiarities of the formation of managerial competence of future physical education teachers through information and communication technologies are identified.

The second chapter, «Justification of pedagogical conditions and a structural-functional model for the formation of managerial competence of future physical education teachers in a blended learning environment», presents the methodological basis for the formation of managerial competence of future physical education teachers. Based on the analysis, the components, criteria, indicators, and levels of the formation of managerial competence of future physical education teachers are substantiated. Mechanisms for implementing pedagogical conditions to improve the effectiveness of the process of forming managerial competence of future physical education teachers in higher education institutions are presented. A structural and functional model for the formation of managerial competence of future physical education teachers in higher education institutions in blended learning conditions has been developed and described.

The third chapter, «Experimental verification of the effectiveness of pedagogical conditions and a structural-functional model for developing the managerial competence of future physical education teachers in blended learning in higher education institutions», presents the results of diagnosing the state of managerial competence development of future physical education teachers in higher education institutions. The specifics of the organization and methodology of the formative stage of the experimental study on the formation of managerial competence of future physical education specialists in higher education institutions, as well as the interpretation of the results of the experimental study, are highlighted.

**The completeness of the presentation of the main results of the dissertation.** The scientific results and main provisions, conclusions, and recommendations are sufficiently fully presented in 13 publications by the author (11 articles – individual), of which 6 reflect the main scientific results of the dissertation

(all publications in scientific professional editions of Ukraine, category «B»), 7 are of an experimental nature and are published in collections of abstracts and conference materials and other publications.

**Data on the absence of textual borrowings and violations of academic integrity (academic plagiarism, fabrication, falsification).** Based on the results of the verification and analysis of the dissertation materials, no signs of academic plagiarism, fabrication, or falsification were found. The identified textual coincidences (citations) have the appropriate correct references to all sources of information used in the work. References to scientific literature sources and regulatory legal acts are properly formatted by the dissertation author. The work is recognized as independent and has no signs of plagiarism.

**Controversial provisions and comments on the content of the dissertation.** While generally assessing the scientific and practical significance of the results obtained positively, we consider it necessary to express certain wishes and comments of a controversial nature:

1. In our opinion, it would be appropriate to use the professional profile of a physical education teacher in the work, followed by an analysis of the importance of managerial competence in professional activity.

2. In our opinion, the author did not pay enough attention to the analysis of foreign experience in professional training from the perspective of a comparative analysis of the formation of managerial competence of future physical education teachers. In the context of European integration processes, it would be appropriate to analyse such experience and the possibilities of its use in the system of professional education in Ukraine in a separate section.

3. We note that the dissertation research should have paid more attention to the role and place of professional disciplines in the formation of managerial competence of future physical education teachers, in particular, sports and pedagogical disciplines, because it is in the process of studying them that future specialists develop the ability to manage a group of students in physical education classes and the skills to organise them effectively.

4. We believe that it would be advisable to develop methodological recommendations based on the dissertation research for teachers who train future teachers of this profile in higher education institutions and practising physical education teachers in general secondary education institutions.

We emphasise that the comments and suggestions made do not in any way diminish the value of the research presented, its scientific, theoretical and practical significance.

**Conclusion.** Based on the analysis, taking into account the relevance, validity of the main provisions, scientific novelty, theoretical and practical significance, and reliability of the results obtained, it is reasonable to conclude that the dissertation by CHEN Ronghao «Formation of managerial competence of future physical education

teachers in higher education institutions in the conditions of blended learning» is an independent, complete scientific research that meets the requirements of the «Procedure for awarding the degree of Doctor of Philosophy and repealing the decision of a one-time specialized academic council of a higher education institution, scientific institution on awarding the degree of Doctor of Philosophy,» approved by Resolution of the Cabinet of Ministers of Ukraine No. 44 of January 12, 2022 (as amended by Resolutions of the Cabinet of Ministers of Ukraine No. 341 of March 21, 2022, No. 502 of May 19, 2023, and No. 507 of May 3, 2024), and the current requirements for the preparation of dissertations.

The dissertation is the result of independent research, does not contain elements of plagiarism, which indicates the independence of the research and compliance with the principles of academic integrity. In the process of reviewing the dissertation, no violations of academic integrity (academic plagiarism, self-plagiarism, falsification, fabrication) were found.

We believe that CHEN Ronghao deserves to be awarded the degree of Doctor of Philosophy in the specialty 011 Educational and Pedagogical Sciences in the field of knowledge 01 Education/Pedagogy.

**Official opponent:**

Doctor of Pedagogical Sciences, Professor

Professor of the Department of Theory and Methods

Olympic and Professional Sports

Ternopil National

Pedagogical University

named after Volodymyr Hnatiuk



Serhiy HUMENIUK

Міністр освіти та науки України  
Іван Орестович  
Міністерство освіти та науки України  
Іван Орестович