

REVIEW

of the Candidate of Pedagogical Sciences, Associate Professor

Pysarchuk Oksana Tarasivna

on the dissertation research of **CHEN Ronghao**

«Formation of Managerial Competence in Future Physical Education Teachers in Higher Education Institutions under Blended Learning Conditions»,

submitted for the degree of Doctor of Philosophy
in the field of knowledge 01 Education / Pedagogy
Specialty 011 Educational, Pedagogical Sciences,

Relevance of the research topic. The need to study the process of forming the managerial competence of future physical education teachers in higher education institutions in the context of blended learning is due to the growing public demand for competent specialists who are able to effectively organise the educational process, make informed managerial decisions and use information and communication technologies. Modern transformations in the educational environment, in particular the introduction of blended learning, significantly increase the requirements for the level of managerial and pedagogical training of physical education teachers. A high level of managerial competence contributes to the creation of a safe, health-promoting and motivational educational environment, as well as to improving the quality of physical education and training activities. The relevance of the study is confirmed by the requirements of current regulatory and legal documents in the field of education and physical education, which focus on a competence-based approach to the professional training of teachers and define management skills and abilities as an important component of the general and professional competences of future teachers. Therefore, the formation of managerial competence of future physical education teachers in higher education institutions is a necessary condition for their effective professional activity in modern educational conditions. The chosen topic has a clear practical focus and reflects the real needs of general secondary education institutions for physical education specialists who are able to work effectively in a blended learning environment.

Connection of the work with scientific programmes, plans, topics. The dissertation research was carried out in accordance with the topic «Professional growth of an educator in an educational institution: fundamental, theoretical, technological, and practice-oriented aspects» of the research work of the Department of Education and Pedagogy of the West Ukrainian National University (state registration number 0121U110855).

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

The degree of validity of the scientific propositions, conclusions and recommendations formulated in the dissertation, their reliability. The results of the dissertation research are objective, based on a representative volume of empirical material and confirmed by the completeness of its coverage, the systematic analysis and generalisation of the primary data collected and processed by the author

personally. The reliability of the results obtained is ensured by the application of a complex of scientific research methods, and the quantitative indicators are processed using methods of mathematical statistics.

When analysing the validity of scientific propositions and conclusions, it is advisable to first emphasise the logical consistency between the stated goal and the defined research objectives. The formulated conclusions directly follow from the set tasks and the content of the dissertation, which proves their objectivity and novelty. The author clearly outlines the theoretical and methodological foundations of the research, which ensures the conceptual integrity and logic of the scientific search.

The main theoretical and practical results of the dissertation research are reflected in 13 scientific publications by the author, including 6 articles (5 of which are sole-authored) published in Ukrainian professional scientific journals of category «B», as well as 7 publications of an approbation nature presented in the materials of international and regional scientific and practical conferences, which testifies to the adequate level of scientific confirmation of the research results.

The dissertation consists of abstracts, a list of symbols, an introduction, three chapters, conclusions for each chapter, general conclusions, a list of references (460 titles) and appendices. The total volume of the dissertation is 295 pages, of which the main text is presented on 187 pages. The work contains 11 figures, 25 tables and 8 appendices.

Reliability of results and their scientific novelty. The scientific novelty of the dissertation is in the fact that, at the theoretical and methodological level, it substantiates the pedagogical conditions for the formation of managerial competence of future physical education teachers in higher education institutions in the context of blended learning and develops and scientifically substantiates a structural and functional model for the formation of managerial competence, covering strategic, conceptual and methodological, and criterion and diagnostic blocks. A methodology for introducing pedagogical conditions into the process of professional training and the author's Programme for the formation of managerial competence of students in higher education institutions under blended learning has been created and tested. The postgraduate student has improved the content and essence of the key concepts of the research, as well as substantiated the criteria and levels of management competence formation of future physical education teachers.

Practical significance of the research results. The practical significance of the research lies in the possibility of using the developed author's programme, methodological materials and structural-functional model in the educational process of higher education institutions, in particular when teaching professional disciplines, organising optional classes, pedagogical practice and the system of professional development of teaching staff.

It is necessary to point out the sufficient geography of the implementation of the results of the dissertation research by CHEN Ronghao.

The main provisions and results of the research have been implemented in the educational process of professional training of future physical education teachers at the Ivan Ohienko Kamianets-Podilskyi National University (certificate of implementation dated 26 August 2025), Melitopol State Pedagogical University

named after Bohdan Khmelnytsky (certificate of implementation dated 23 September 2025), State Higher Educational Institution «Uzhhorod National University» (certificate of implementation dated 25 September 2025).

Assessment of the content of the dissertation, its overall completeness and the identity of the main provisions of the dissertation. The dissertation is logically structured, consisting of an introduction, three substantive chapters, general conclusions, a list of sources used and appendices. The material is presented in a consistent, scientifically balanced manner, in accordance with the requirements of academic style.

The **first chapter**, «Theoretical foundations for developing the managerial competence of future physical education teachers», provides a thorough analysis of the conceptual and categorical apparatus of the study, in particular clarifying the definitions of «physical culture», «physical culture in education», «physical education teacher», «professional training», «blended learning», and «managerial competence». An important result of the chapter is the conceptualisation of managerial competence as an integral characteristic of the professional readiness of future teachers to perform organisational and managerial functions in the educational process.

In our opinion, it is noteworthy that the author has identified the structural components of managerial competence (motivational-value, cognitive, professional-activity and reflective-developmental), as well as substantiated theoretical and methodological approaches to its formation in the context of blended learning.

The second section, «Substantiation of pedagogical conditions and structural and functional model for the formation of managerial competence in future physical education teachers under blended learning conditions», substantiates the pedagogical conditions (creation of a motivational and value-based educational environment; focusing professional cycle disciplines on management activities; using professionally-oriented situations in the process of training future specialists; stimulation of self-education activities) and develops an author's structural and functional model for the formation of managerial competence of future physical education teachers in blended learning conditions, which specifies the components, criteria, indicators and levels of managerial competence formation (personal, knowledge, activity, reflective; high, sufficient, satisfactory, low levels). The model is distinguished by its integrity, logical completeness and compliance with modern methodological approaches. It is important that the author not only describes the structure of competence, but also logically links it to the requirements of the higher education standard and the specifics of professional training of bachelors of physical culture. The analysis of practical tools for implementing pedagogical conditions for the formation of managerial competence of future physical education teachers also deserves special attention, as it allows us to substantiate their methodological and practical significance.

The **third section**, «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 a pedagogical experiment that

confirm the effectiveness of the proposed approaches. The state of management competence formation has been determined and diagnosed according to motivational-value, cognitive, professional-activity and reflective-developmental components; the relevant criteria (personal, knowledge, activity, reflective), indicators and levels (high (excellent), sufficient (optimal), satisfactory (productive), low (basic)) of its development have been outlined.

During the formative stage, content updates for professional disciplines, an elective programme and a set of methodological tools were integrated into the educational process to ensure the systematic development of managerial competence in future physical education teachers in a blended learning environment.

Chen Zhughao's research and experimental work was carried out at the Ivan Ohienko Kamianets-Podilskyi National University, the Bohdan Khmelnytskyi Melitopol State Pedagogical University, and the Uzhhorod National University. 85 higher education students took part in it, which enabled the postgraduate student to confirm using mathematical statistics methods (Fisher's F-test) the effectiveness of the process of developing the managerial competence of future physical education teachers in higher education institutions in a blended learning environment.

The **conclusions** present the main results of the study of the fundamental requirements for the professional training of higher education students, aimed at developing their ability to engage in organisational and managerial activities, make informed decisions, coordinate the interaction of participants in the educational process, and ensure a safe educational environment. The expediency of further scientific research in the direction of expanding the content of management training for future physical education teachers is substantiated, in particular through the integration of digital and innovative communication technologies in blended learning, research into mechanisms for developing strategic thinking and leadership qualities, and adapting the proposed model to the system of postgraduate education and professional development for teachers.

Style and language of the dissertation. The material of the dissertation is presented consistently, the style of presentation is scientific, clear and concise. Overall, the dissertation is a complete scientific work that corresponds to the passport of specialty 011 Educational, Pedagogical Sciences.

Compliance with academic integrity requirements. During the analysis of the dissertation research, no violations of academic integrity were found, in particular, manifestations of academic plagiarism, self-plagiarism, fabrication, falsification or incorrect use of text borrowings without appropriate reference to the source. A consistent style of presentation is maintained throughout the text. The dissertation research is the result of independent scientific research, and all ideas and scientific positions expressed in it are those of the author and obtained by him personally.

Discussion points and suggestions for improving the content of the dissertation. While positively evaluating the dissertation research, we consider it appropriate to express some constructive comments and recommendations aimed at further deepening and developing the research topic, which may become the subject of discussion during the defence:

1. The author has convincingly substantiated the theoretical foundations of the studied process, while certain issues of practical implementation of management functions during physical education classes in a blended learning environment could be presented in more depth in the work.

2. The proposed structural-functional model for the formation of managerial competence is logical and scientifically sound, but the problem of increasing the readiness of scientific and pedagogical workers to implement it in a blended learning environment requires, in our opinion, additional attention.

3. The dissertation provides a detailed justification of the set of pedagogical conditions for the formation of managerial competence of future physical education teachers in a blended learning environment. At the same time, a more in-depth analysis of the differentiated impact of each of the identified pedagogical conditions on the formation of individual components of managerial competence (motivational-value, cognitive, activity-based, reflective) would be more convincing. This would allow for a clearer understanding of the cause-and-effect relationships between pedagogical influences and the more specific results of the experiment.

At the same time, it should be noted that the comments made are not fundamental, they are of a recommendatory nature and do not significantly affect the overall positive assessment and do not negate the scientific value of Chen Ronghao's dissertation research.

General conclusions. The analysis provides grounds for a general conclusion that, in terms of content, the set of results obtained, relevance, scientific novelty, theoretical and practical significance, reliability and completeness of their coverage in publications, the dissertation «Formation of managerial competence of future physical education teachers in higher education institutions under blended learning conditions», submitted for the degree of Doctor of Philosophy in the speciality 011 Educational pedagogical sciences, is a complete, comprehensive study of a significant scientific problem that meets the requirements set forth in the order of the Ministry of Education and Science of Ukraine dated 12 January 2017 No. 40 «On the Approval of Requirements for the Preparation of Dissertations» (as amended and supplemented), as well as the Resolution of the Cabinet of Ministers of Ukraine dated 12 January 2022 No. 44 «On the Approval of the Procedure for Awarding the Degree of Doctor of Philosophy» (as amended and supplemented).

Considering the above, the author, 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.

Reviewer:

Candidate of Pedagogical Sciences,
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Підпис _____
Завіряю: _____
НАЧАЛЬНИК
ЗАГАЛЬНОГО ВІДДІЛУ

Oksana PYSARCHUK