

RETROSPECTIVE ANALYSIS OF CURRICULUM TRAINING PLANS FOR FUTURE PHYSICAL THERAPY, ERGOTHERAPY IN HIGHER EDUCATION INSTITUTIONS

РЕТРОСПЕКТИВНИЙ АНАЛІЗ НАВЧАЛЬНИХ ПЛАНІВ ПІДГОТОВКИ МАЙБУТНІХ ФАХІВЦІВ З ФІЗИЧНОЇ ТЕРАПІЇ, ЕРГОТЕРАПІЇ У ЗАКЛАДАХ ВИЩОЇ ОСВІТИ

The key to successful development and theoretical substantiation of the system of formation of professional identity of future specialists in physical therapy, ergotherapy at the current stage of development of Ukrainian society is the study of the preconditions and assets of the Ukrainian higher school on the issues of professional training of specialists in this field. The purpose of the study is to analyze the curricula of professional training of future specialists in physical therapy, ergotherapy in higher education institutions of Ukraine. The attention is focused on the analysis of the curricula of the Academician Yuriy Bugay International Academic and Technical University and National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute". The results of the analysis of the curricula from 2001 to 2019 revealed that the content of the curricula provides theoretical and practical training in accordance with the general and professional competencies of specialists in physical therapy and ergotherapy. The results of the comparative analysis of the curricula of the selected higher education institutions show that both studied higher education institutions provide the same level of professional training of future specialists in physical therapy, ergotherapy at the educational level "bachelor". At the same time, their vocational training was aimed at both health-improving and physical culture and sports activities. A retrospective analysis of the curricula of professional training of specialists in physical rehabilitation / physical therapy, ergotherapy in higher education institutions was conducted. For organization of formation of professional identity of future experts in physical therapy, ergotherapy are very important results of the conducted retrospective analysis of curricula. Taking into account the heritage of the past will contribute to the professional training of professionals with established professional identity, which will preclude the provision of highly qualified assistance in the fields of physical therapy and ergotherapy.

Key words: retrospective analysis, formation of professional identity, vocational training, physical therapy, ergotherapy.

Запорукою успішного розроблення та теоретичного обґрунтування системи форму-

вання професійної ідентичності майбутніх фахівців з фізичної терапії, ерготерапії на сучасному етапі розвитку українського суспільства є дослідження передумов та надбань української вищої школи з питань професійної підготовки фахівців даної галузі. Метою дослідження є аналіз навчальних планів професійної підготовки майбутніх фахівців з фізичної терапії, ерготерапії у закладах вищої освіти України. Увагу зосереджено на аналізі навчальних планів Міжнародного науково-технічного університету імені академіка Юрія Бугая та Національного технічного університету України «Київський політехнічний інститут імені Ігоря Сікорського». За результатами аналізу навчальних планів з 2001 до 2019 року встановлено, що змістом навчальних планів передбачене теоретичне та практичне навчання відповідно до загальних та фахових компетентностей фахівців з фізичної терапії та ерготерапії. Результати порівняльного аналізу навчальних планів вибраних закладів вищої освіти показують, що в обох досліджуваних вищих навчальних закладах передбачений однаковий рівень професійної підготовки майбутніх фахівців з фізичної терапії, ерготерапії за освітнім рівнем «бакалавр». Професійна підготовка в них була одночасно спрямована як на лікувально-оздоровчу діяльність, так і на діяльність у сферах фізичної культури та спорту. Проведений ретроспективний аналіз навчальних планів професійної підготовки фахівців з фізичної реабілітації/фізичної терапії, ерготерапії у закладах вищої освіти. Для організації формування професійної ідентичності майбутніх фахівців з фізичної терапії, ерготерапії є дуже важливими результати проведеного ретроспективного аналізу навчальних планів. Урахування надбань минулого сприятиме професійній підготовці фахівців зі сформованою професійною ідентичністю, що забезпечить надання висококваліфікованої допомоги у сферах фізичної терапії та ерготерапії.

Ключові слова: ретроспективний аналіз, формування професійної ідентичності, професійна підготовка, фізична терапія, ерготерапія.

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Problem statement in general form and its relation to important scientific or practical tasks.

The current situation on the labor market in Ukraine, responding to the various transformations in the socio-economic life of the country, reformation and modernization in the field of health care, places increasingly stringent requirements on the specialist in physical therapy, ergotherapy, quality of his professional activity and recruitment qualification characteristics, demanding competitive advantages in the labor market. Today, the social and state need for

the training of competitive specialists in the field of physical therapy, ergotherapy, with fully developed personal, strong-willed and professional qualities is absolutely recognized [3].

The key to successful development and theoretical substantiation of the system of formation of professional identity of future specialists in physical therapy, ergotherapy at the current stage of development of Ukrainian society is the study of the preconditions and assets of the Ukrainian higher school on the issues of professional training of specialists in this field.

Analysis of recent research and publications.

The field of activity of specialists in physical rehabilitation was studied by Yu. Bardashevsky [1], G. Verich [2], V. Savchenko [5], Y. Liannoy [4]. Analyzing the problem of training specialists, the researchers pointed out the absence of positions of physical rehabilitators in medical institutions of the Ministry of Health of Ukraine.

Emphasizing previously unresolved parts of the common problem. Due to the increase of professional requirements related to the prospect of entering the position of specialists in physical rehabilitation in the staff lists of medical and preventive institutions, the need to analyze the training of specialists and to find ways for its further improvement was determined.

Formulation of the article's goals (tasks statement). The purpose of the study is to analyze the curricula of professional training of future specialists in physical therapy, ergotherapy in higher education institutions of Ukraine. We have focused on the analysis of the curricula of Academician Yuriy Bugay International Academic and Technical University and the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute".

Presentation of the basic research material.

In 2001 Academician Yuriy Bugay International Academic and Technical University trained specialists in the field of training 0102 "Physical Education and Sports", specialty 6.010200 "Physical Rehabilitation". Educational qualification level "bachelor". The curriculum contained normative and selective disciplines. The total volume of training is 7506 hours, of which 1350 are the cycle of humanitarian and socio-economic training, 972 are the cycle of natural science training, 3024 are the cycle of vocational and practical training, 1404 are the disciplines of independent choice of educational institution, 756 are the disciplines of free choice of students.

In 2001 the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" trained specialists in the field of training 0102 "Physical Education and Sports", specialty 7.010202 "Physical Rehabilitation", educational qualification level "Bachelor", qualification – trainer-teacher (sport). The total volume of training is 7506 hours, of which 1134 are the cycle of humanitarian and socio-economic training, 1026 – the cycle of natural science training, 4590 – the cycle of vocational and practical training, 756 – the discipline of free choice of students.

According to the results of the analysis of the curricula for 2001, the Academician Yuriy Bugay International Academic and Technical University and the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" revealed that their professional training was aimed at training specialists in health and preventive activities. A large part of the disciplines corresponded to the field of physical

culture and sports. During the comparative analysis of the curricula of the two higher education institutions, some discrepancies were identified, primarily in the number of hours for practical training. Thus, the curriculum of Academician Yuriy Bugay International Academic and Technical University includes introductory, pedagogical, hospital and undergraduate practice, which indicates the wellness orientation of professional training of specialists. The curriculum of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" includes organizational, pedagogical and coaching practices. The presence of coaching practice indicates that vocational training was mainly aimed at preparing specialists for activities in the fields of physical culture and sports, as evidenced by the qualification of a coaching teacher (in the sport). At the same time, a considerable number of academic hours were devoted to the implementation of research work.

According to the analysis of the curriculum for training specialists in the field of training 0102 "Physical Education and Sports", specialty 6.010200 "Physical Rehabilitation", educational and qualification level "bachelor" at the International Scientific and Technical University named after Academician Yuri Bugai In 2004 it can be stated that the content corresponds to the content of the curriculum in force since 2001.

In 2004 the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" trained specialists in the field 0102 "Physical Education and Sports", specialty 6.010200 "Physical Rehabilitation", educational and qualification level "Bachelor", qualification – trainer-teacher (with sport). The total volume of training is 7506 hours, of which 1080 are the cycle of humanitarian and socio-economic training, 1026 – the cycle of natural science training, 4617 – the cycle of vocational and practical training, 783 – the discipline of free choice of students.

Therefore, the academic plan of Academician Yuriy Bugay International Academic and Technical University provides for introductory, pedagogical, hospital and undergraduate practice, which indicates the health orientation of professional training of specialists.

The curriculum of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" includes organizational, pedagogical and coaching practices. Vocational training was mainly aimed at preparing specialists for activities in the fields of physical culture and sports.

In 2007 Academician Yuriy Bugay International Academic and Technical University trained specialists in the field of training 0102 "Physical education, sports and human health", specialty 6.010203 "Human health", educational qualification level "bachelor". The total volume of training is 7506 hours, of which 1080 are the cycle of humanitarian and socio-economic training, 945 – the cycle of natural science

training, 3240 – the cycle of vocational and practical training, 702 – the cycle of sports and psychological and pedagogical training, 972 – the cycle of disciplines of choice higher educational institution, 567 – cycle of disciplines of independent choice of students.

In 2007 the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” trained specialists in the field of 0102 “Physical Education and Sports”, specialty 6.010200 “Physical Rehabilitation”, educational and qualification level “Bachelor”, qualification – specialist-teacher of health human. The total volume of training – 9468 hours, of which 1170 – cycle of humanitarian and socio-economic training, 1980 – cycle of natural science training, 2862 – cycle of vocational training, 2016 – disciplines at the choice of higher education institution, 1440 – disciplines of free choice of students .

The results of the analysis of the curricula for 2007 Academician Yuriy Bugay International Academic and Technical University and the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” showed that their professional training was aimed at both health-improving and the spheres of physical culture and sports.

In 2010 Academician Yuriy Bugay International Academic and Technical University trained 0102 Physical Education, Sports and Human Health Specialists in the field of Human Health, 6.010203, Bachelor's Degree. The total amount of training is 8640 hours; of these, 6264 h in the normative part, of which 576 h in the cycle of humanitarian and socio-economic training, 1116 in the cycle of mathematical, natural science, 4572 in the cycle of vocational and practical training, and 2376 h in the variable part, of which 1944 – disciplines of independent choice of higher education institution, 432 – cycle of disciplines of free choice of student.

In 2010 the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” trained specialists in the field of training 6.010203 “Human health”, the program of professional orientation “Physical rehabilitation”, educational qualification level “bachelor”, qualification – specialist in physical rehabilitation. The total amount of training is 8748 hours, 612 of which are humanitarian and socio-economic training; 1116 – the cycle of mathematical and natural science training; 4446 – cycle of vocational and practical training; 1440 – discipline of independent choice of higher education institution, 1134 - discipline of free choice of students (684 – discipline of the cycle of humanitarian and socio-economic training, 450 – discipline of the cycle of vocational and practical training).

The results of the analysis of the curricula for 2010 Academician Yuriy Bugay International Academic and Technical University and National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” showed that, in comparison with previous years, In 2010 the professional training of

specialists in physical rehabilitation was exclusively medical-health, recreational orientation. The qualification obtained by the graduates was called “Physical Rehabilitation Specialist”. The curriculum included a greater number of disciplines of professional and practical training of professional orientation.

In 2013 Academician Yuriy Bugay International Academic and Technical University trained specialists in the field of training 0102 “Physical Education, Sports and Human Health” in the specialty 6.010203 “Human Health”, world-qualification “bachelor”. The total amount of training is 6750 hours, of which 3840 hours is in the normative part (630 is the cycle of humanitarian and socio-economic training, 930 is the cycle of natural science (fundamental) training, 900 is the cycle of general vocational training, 1380 is the cycle of vocational and practical training) , and –10 hours on the variant part (1740 – cycle of disciplines of independent choice of higher education institution, 1170 – cycle of disciplines of free choice of student, of which 450 – cycle of humanitarian preparation of free choice of student, 720 – cycle of professional and practical preparation s).

In 2013 the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” trained specialists in the field of training 6.010203 “Human Health”, program of professional direction “Physical Rehabilitation”, educational qualification level “Bachelor”, qualification – specialist in physical rehabilitation. The total volume of training – 8802 hours, of which 684 – cycle of humanitarian and socio-economic training, 1134 – cycle of mathematical and natural science training, 4500 – cycle of vocational and practical training, 1674 – disciplines of independent choice of higher education institution, 810 – discipline of free selection of students (612 – humanitarian component, 198 – professional component).

In the course of analyzing the content of the curricula of Academician Yuriy Bugay International Academic and Technical University and the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” discrepancies in the professional orientation of the educational process were revealed. Thus, the academic curriculum of the Academician Yuriy Bugay International Academic and Technical University provides for both professional and practical training and research preparation. The content of the curriculum of the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” was mostly practical.

In 2016 Academician Yuriy Bugay International Academic and Technical University trained 22 health professionals in the field of 227 Physical Rehabilitation, Bachelor's Degree. The total amount of training is 6420 hours, of which 3630 hours is in the normative part (630 is the cycle of humanitarian and socio-economic training, 930 is the cycle of natural science (fundamental) training, 900 is the cycle of general

vocational training, 1170 is the cycle of vocational and practical preparation) and 2790 hours in the variant part (1350 – cycle of disciplines of independent choice of higher education institution, 1440 – cycle of disciplines of free choice of student).

In 2016 the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” trained specialists in the field of training 6.010203 “Human Health”, professional program “Physical Rehabilitation”, educational qualification level “Bachelor”, qualification – specialist in physical rehabilitation. The total amount of training is 6390 hours, of which compulsory subjects are 4515 hours (120 – cycle of humanitarian and socio-economic training, 1245 – cycle of natural science training, 3150 – cycle of vocational and practical training) and selective courses - 1875 h (630 – cycle of humanitarian and socio-economic training, 1245 – cycle of vocational and practical training).

It was found that the academic curricula of the Academician Yuriy Bugay International Academic and Technical University and the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, valid in 2016 had differences in the professional orientation of the educational process. It is important that the curriculum of the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, compared to 2013 and 2010, is allocated less hours for practical training of the knowledge gained by future specialists. The academic plan of Academician Yuriy Bugay International Academic and Technical University provides four coursework and the passage of future specialists of educational and industrial practice. In addition, the educational process involved both theoretical and practical training.

In 2019 Academician Yuriy Bugay International Academic and Technical University trained specialists in Bachelor's degree in the field of knowledge 22 – “Health care”, specialty 227 “Physical Therapy, ergotherapy”, educational qualification level – “Bachelor”, qualification – Bachelor of Physical Therapy, ergotherapy. The total amount of training is 6360 hours, of which 4320 hours are for normative disciplines (1710 – cycle of general training, 2610 – cycle of vocational training) and 2040 hours for selective courses.

In 2019 the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” trained specialists in educational level “bachelor” in the field of knowledge 22 “Health care”, specialty 227 “Physical therapy, ergotherapy”, educational-qualification program (specialization) “Physical therapy”, educational qualification level “bachelor”, qualification – bachelor in physical therapy, ergotherapy. The total amount of preparation is 7200 hours, of which 4230 hours is the cycle of general preparation (1545 – subjects of natural science training, 1935 – basic training subjects, 750 – social and humanitarian training courses (at the student's choice)) and 2970 hours – cycle of vocational training (1725 – vocational and practical train-

ing courses, 1245 – vocational and practical training courses (at the student's choice)).

According to the results of the analysis of the curricula of 2019 Academician Yuriy Bugay International Academic and Technical University and National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” it is established that the content of the curricula provides theoretical and practical training in accordance with the general and professional competencies of specialists in physical therapy and ergotherapy. The results of the comparative analysis of the curricula show that both higher education institutions under study provide the same level of professional training of future specialists in physical therapy, ergotherapy at the educational level “bachelor”.

Conclusion. Thus, a retrospective analysis of the curricula of professional training of specialists in physical rehabilitation/physical therapy, ergotherapy Academician Yuriy Bugay International Academic and Technical University and National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” in the period from 2001 to 2019 was conducted.

For organization of formation of professional identity of future experts in physical therapy, ergotherapy are very important results of the conducted retrospective analysis of curricula. Taking into account the heritage of the past will contribute to the professional training of professionals with established professional identity, which will preclude the provision of highly qualified assistance in the fields of physical therapy and ergotherapy.

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