

BORYS GRINCHENKO KYIV UNIVERSITY

«APPROVED»
the decision of the Academic Council of
Borys Grinchenko Kyiv University
March 29, 2018, Minutes № 3

ACADEMIC PROFESSIONAL PROGRAM

227.00.04 Physical therapy
second (master's) level of higher education

Branch of knowledge:	22 Public health
Specialty:	227 Physical therapy, ergotherapy
Educational qualification:	Master of Physical therapy, ergotherapy

Kyiv – 2018

Education Program Profile of the specialty 227 Physical therapy

General information		
Full name of the higher education institution and the structural unit		Borys Grinchenko Kyiv University Faculty of Health, Physical Education and Sport
Academic degree and qualification (in original language)		Postgraduate, Master's, Master of Physical therapy, ergotherapy
Official title of Education Program		227.00.04 Physical Therapy, ergotherapy
Diploma type and volume of Education Program		Master's degree, unitary, 90 ECTS credits, study duration: 1 year 4 months
Accreditation		The introduction of the Program is in 2018.
Cycle/Level		Second (master's) level / FQ-EHEA – second level, QF LLL – 7 level, National Qualifications Framework of Ukraine – 8 level
Prerequisites		Bachelor's diploma
Language(s) of Study		Ukrainian
Expiry date of the Education Program		
Education program in the Internet		http://kubg.edu.ua/
A	The Educational Program Objectives	
	Preparation of highly qualified, competitive professionals in physical therapy, who are integrated in European and world educational and scientific spheres. The professionals will be able to conduct rehabilitation for people with various physical limitations and to facilitate effective recovery of patients with different pathologies.	
B	Characteristics of the Program	
1.	Subject area	Objects of study and activity – complex motor skills disorders, problems with activity, its correction in order to restore full life activity according to desires and needs of a person in his/her social and cultural surroundings. Aims of studying (prospective use of competencies acquired) – use of competencies acquired for development and implementation of preventive and rehabilitation strategies, when creating, adjusting and implementing

		<p>individual plan of physical therapy in order to improve health, functional abilities, adaptation to surroundings, raising physical activity level of people of different age and abilities; preparation for scientific, research and educational activity, expert consulting on professional issues.</p> <p>Theoretical essence of the subject area – knowledge of theoretical, medical and biological subjects as well as specialized professional and practical subjects in the scope required for solving complex professional, applied, educational, scientific and research tasks.</p> <p>Methods, methodologies and technologies to practice: examination, rehabilitation evaluation and testing the main functional abilities of the patient; processing of the information gathered; planning of rehabilitation measures; usage of physical therapy strategies, methods, means and techniques, directed towards the prevention of diseases, health improvement, restoration of motor skills of a patient / client; verbal and non-verbal communication; professional competencies and duties; ethical norms; providing first aid.</p> <p>Instruments and equipment – devices, appliances and equipment for rehabilitation, evaluation and testing functional abilities of the patient / client; devices, appliances and equipment for implementing rehabilitation measures; devices and equipment for controlling the vital functions of the patient; technical means for locomotion and self-sistance.</p> <p>Correlation of the volume of general, professional and elective components:</p> <p>Compulsory components constitute 65 credits (72%), in which:</p> <ul style="list-style-type: none"> – the portion of subjects for special (professional, subject) competencies – 34 ECTS credits (38%). – practice - 24 ECTS credits (27%). <p>The curriculum implies writing qualifying master's paper (CSP.02; CSP.04; CSP.06) and passing a complex exam (CSP.01; CSP.03; CSP.5; CSP.07) / equivalent exam “KPOK-2ΦT”, which assesses the level of professional competency in professional (medical) subjects.</p> <p>The elective components constitute 25 ECTS credits (28%) and comprises subjects directed towards broadening and deepening professional competencies of masters in physical therapy and ergotherapy.</p>
2.	Focus of the Program:	Special

3.	<i>Orientation of the Program</i>	Professional and applied, focused on preparation of physical therapists
4.	<i>Peculiarities of the Program</i>	Full-time education only
C	Eligibility of graduates for employment and further education	
1.	<i>Employment</i>	<p>Professional job title: «Physical therapist», part 2 «Professionals», 2229.2 «Professionals in the field of medicine (except nursery and obstetrics)».</p> <p>Positions in medical and rehabilitation institutions, social protection institutions, sports and training centers, sport teams.</p>
2.	<i>Further education</i>	<p>Possibility to continue studies on the third (scientific research) level of higher education — Doctor of Philosophy (Ph.D.) in the specialty «Physical therapy, ergotherapy».</p> <p>Possibility of professional development and obtaining additional post-graduate education.</p>
D	Teaching methods and evaluation	
1.	<i>Approaches to teaching and studying</i>	Education process is student-centered, and implies democratic basis of teaching, namely person-oriented, pro-active, competency-based, creative approaches, integration of scientific, research, studying activity and practical preparation.
2.	<i>Assessment system</i>	Accumulative mark-rating system implies students assessment for all kinds of class and self-study education activities in the forms of entry, current, final and/or semester exams and credits, and also final certification.
E	Program competencies	
Integrated competency		Physical therapist is able to resolve complex specialized tasks, related to the disorders of motor skills of organs and systems, conduct scientific and educational activity, using principles, theories and methods of medical, biological and pedagogic sciences relating to physical therapy in complex and uncertain conditions.
General Competencies (GC)		Master of Physical Therapy and Ergotherapy should have:
		GC-1 Ability to analyze and articulate and solve problems in the major field, generate ideas for education, research and clinical issues on the basis of acquired knowledge, clinical and critical thinking

	GC-2	Ability to do research and apply the outcomes, publish the results in national and international professional journals
	GC-3	Ability to work independently and as a team, showing consistency and responsibility for the tasks and duties
	GC-4	Ability for effective professional written and oral communication in native and foreign languages with peers, clients, team-mates, other professionals in health, education and social security establishments
	GC-5	Ability to adjust and find an appropriate solution to new situations while cooperating with patients, clients, team-mates
	GC-6	Ability to select methodology and tools in view of their relevance, validity, safety, and also plan for appropriate technology and its implementation
Professional competencies (PC)	PC-1	Ability to understand complex pathologic processes and deviations which are apt to correction by physical therapy measures.
	PC-2	Ability to understand clinical diagnostic descriptions, the state and progress of the patient's/client's condition and approaches to treatment.
	PC-3	Ability to conduct current and emergency examination of the patient's/client's condition, establish the functionality of the state, the physical progress, the motoric and age specificity of nosologic and professional groups applying appropriate techniques.
	PC-4	Ability to conduct physical therapy for patients/clients of different ages of nosologic and professional groups with progressing and multi-system issues.
	PC-5	Ability to identify the level and type of therapeutic load according to the patient's/client's condition, to observe the duration and intensity of rehabilitative practices to secure the functional needs and test indicators after examining the state.
	PC-6	Ability forecast the outcomes of physical therapy, to set goals, compile, explain and discuss personal therapeutic programs or parts of rehabilitation programs for physical therapy.
	PC-7	Ability to aid with awareness of the patient's/client's physical needs, to teach them self-control and healthy life-style, prevent any issues, especially injuries, illnesses and other disabilities

	PC-8	Ability to analyze, select and interpret information from different sources and colleagues in professional activity.
	PC-9	Ability to practice under safety and legislative capacity.
	PC-10	Ability to keep professional records.
	PC-11	Ability to apply the outcomes of research in real professional contexts
F	Program Educational Results	
Knowledge and understanding	PER-1	Analyze, select and interpret information from different sources and colleagues in professional activity.
	PER-2	Ability to define and conduct physical therapy for patients/clients of different ages with complex and progressing pathologic issues and disabilities.
	PER-3	Ability to find, select, evaluate and discuss research data, and apply it for clinical, educational and managerial activity.
	PER-4	Perform thorough examination of patients from different nosologic groups with appropriate equipment.
	PER-5	Forecast and set goals, compile, explain and discuss personal therapeutic programs or parts of rehabilitation programs for physical therapy.
	PER-6	Ability to implement individual therapy programs according to the patient's\client's current state, examination and test results, available resources and context.
	PER-7	Track all stages, current and operative tests of the patient's/client's state, and analyze the outcomes of the physical therapy program.
	PER-8	Implement corrections and improve the physical therapy program after interpreting tests and analyzing data.
	PER-9	Communicate with all types of interlocutors, who differ in age, education, profession, social status, personal and cognitive diversity, involving verbal and non-verbal skills, individually or in teams.
	PER-10	Instruct and educate the patients/clients, also their family, colleagues and other groups involved.
	PER-11	Foresact the oucomes of physical therapy for patients/clients of different ages of nosologic and

		professional groups with progressing and multi-systemic pathological issues
	PER-12	Follow the professional safety requirements
	PER-13	Practice independently in professional field
	PER-14	Perform research activities, implement the outcomes and publish the results of research
Resource support of the Program Implementation		
Staff support	The head of the project team and the teaching staff, who is responsible for the implementation, are in accordance with all the requirements, given in the Licensing Conditions for Educational Services. The department of Physical Rehabilitation and Bio-Kinesiology of the Faculty of Health, Physical Education and Sports, are implementing the program. Specific subjects are taught by teachers from the Foreign Languages Department of the Faculty for Law and International Relations. The practice-oriented policy of the university allows for professionals and practicing specialists to cooperate.	
Resources and technical support	Resources of the University are fully equipped for the training of professionals. University has special centers of competency development, equipped with necessary technical and software means, demonstrative and methodical materials: medical and biological center, physical therapy room, massage room etc.	
Informational, methodological and educational support	Electronic resources of the library, electronic scientific issues, e-learning courses allowing distance education and independent work, Microsoft cloud services.	
Academic mobility		
National credit mobility		
International credit mobility	The Regulation on the Order of Realization of the Academic Mobility Right of the Students and Teaching Staff of the University went into force with the Order from September 30, 2016. The agreements which imply student mobility are established with European universities and within the Erasmus+KA1 program. They are the following: University of Vilnius (Lietuva), Joseph Pisudsky University of Physical Education (Poland), Kadis	

University (Spain), Silesian University in Katowice (Poland), Jan Dlugosz Academy in Chestohova (Poland), Ostrava University (Czech Republic), Paris Sorbonna University (France), Lisbon University (Portugal) etc.

Certification of graduates

Certification form of graduates	public defense of the master's paper (CSP.02; CSP.04; CSP.06), complex exam (CSP.01; CSP.03; CSP.5; CSP.07) / equivalent exam KPOK-2 ΦT
Demands to the final qualification work	plagiarism check is required master's papers are published on the official web-site of the Department

Systems of internal quality ensuring in higher education

Principles and procedures of ensuring the quality in higher education	<p>Systems of internal ensuring the quality of higher education of Borys Grinchenko Kyiv University is developed on the following principles:</p> <ul style="list-style-type: none"> • publicity of all the processes related to the educational services; • modern approaches, forms, methods and technologies of teaching postgraduate students; • variability and flexibility in curriculum implementation; • objectivity of evaluations and assesment, constant reflection; • practical orientation of the education process, its correspondence with the demands of the labor market. <p>The system implies the realization of the following procedures and measures:</p> <ul style="list-style-type: none"> • contunuous education activity planning; • approval, monitoring and periodical review of curriculum; • raising of the quality of applicants; • strenghtening the university staff; • accessibility to the necessary resources for education process organization and students' support;
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	<ul style="list-style-type: none"> • development of informational systems in order to enhance the efficiency of education process management; • ensuring the publicity of the information about the University activity; • creation of the effective prevention system of academic plagiarism in the scientific works of the academic staff and students; • participation in national and international higher education institutions ratings.
Monitoring and regular reviewing of Curriculum	Reviewing of curriculum occurs according to the results of the previously conducted monitoring. The criteria, according to which the review is conducted, are formulated as a result of the feedback from researchers and teaching staff, students, graduates and employers as well as after forecasting the development of the field and public demands.
Annual students assessment	The system of students knowledge assessment includes current and semester assessment, and certification, regulated by the legal acts.
Professional development of the researchers and teaching staff	<p>Professional development and internship of the researchers and teaching staff is conducted in the following forms:</p> <ul style="list-style-type: none"> • long-term professional development; courses, schools, internships; • short-term professional development: seminars, workshops, trainings, conferences, webinars, “round tables” etc. <p>The University staff get professional development both in Ukraine and abroad.</p>
Availability of informational systems for effective education process management	<p>Effective education quality management at the University is ensured by the following resources and services:</p> <ol style="list-style-type: none"> 1. Unified State Electronic Database on Education Issues 2. 1C-ENTERPRISE 3. System of accounting for the academic load <p><i>Accessible from the external network:</i></p> <ul style="list-style-type: none"> • <u>E-portfolio</u> • <u>E-catalogue</u> • E-learning • <u>Microsoft Imagine Academy</u> • WIKI • Institution repository

	<ul style="list-style-type: none"> • <u>E-publications</u> • <u>Scientific works of masters</u> • <u>Scientific conferences and seminars</u> • <u>Master's papers database and plagiarism check</u> • Corporate e-mail <p><i>Accessible from the internal network:</i></p> <ul style="list-style-type: none"> • E-repository • E-testing • Master's papers database
Publicity of information about the curriculum, education components and qualifications	<p>According to the laws of Ukraine “on Higher Education”, “On Public Information Access” the following information is subject to publicity and is published on the official University website:</p> <ul style="list-style-type: none"> • Information and documents related to the organization of the education process • Information for applicants • Follow-up for professional quality education
Prevention and disclosing of academic plagiarism	<p>When recommending the master's paper for defence it has to undergo the plagiarism check.</p>

The Program components
The list and distribution of the subjects and credits

Code e/d	Components of the curriculum (Subjects, course projects (papers), practice, qualification work)	Total of ECTS credits	Distribution of credits, courses and semesters			Form of final control
			1 year	2 year		
			semesters			
			1	2	3	
I. COMPULSORY COMPONENTS						
1. Subjects						
Special (professional, subject) components formation						
CSP.01	Traumas and diseases of the muscular-skeletal system (polytraumas)	5	5			exam
CSP.02	Physical therapy of traumas and diseases of the muscular-skeletal system (polytraumas)	6	6			exam
CSP.03	Essentials of gerontology and geriatrics	3	3			credit
CSP.04	Physical therapy in geriatrics	4	4			exam
CSP.05	Pediatrics	3		3		exam
CSP.06	Physical therapy in pediatrics	4		4		exam
CSP.07	Research Methodology in the professional field	3		3		credit
CSP.08	Professional foreign language	6		3	3	credit
Total		34	18	13	3	
2. Practice						
CP.1	Internship (medical with traumas and diseases of the muscular-skeletal system)	6	6			credit
CP.2	Internship (medical in geriatrics)	6	6			credit
CP.3	Internship (medical in pediatrics)	6		6		credit
CP.4	Pre-Diploma practice (clinical)	6			6	credit
Total		24	12	6	6	
3. Certification						
CA.1	Preparation of qualification master's paper	4,5		4,5		
	Qualification master's paper defense (CSP.02; CSP.04; CSP.06)	1,5			1,5	
CA.2	Complex exam (CSP.01; CSP.03; CSP.5; CSP.07) / KPOK-2ΦT	1			1	
Total		7	0	4,5	2,5	
Total amount of compulsory components		65	30	23,5	11,5	
II. ELECTIVE COMPONENTS						
4.1. Subjects						
ESS.1.01	Pedagogy and psychology in higher education	4		4		exam
ESS.1.02	Methodology of teaching physical therapy subjects in high school	3			3	exam
ESS.1.03	Prostheses and orthoses in physical therapy	3		3		credit

ESS.1.04	Physical therapy in oncology	4		4		credit
ESS.1.05	Physical therapy in obstetrics and gynaecology	4			4	exam
ESS.1.06	Physical therapy of people with organic disorders of the nervous system	4			4	credit
4.2. Practice						
EP.1	Practice (assistantship)	3			3	exam
Total amount of elective components		25	0	11	14	
4.3 Choosing the subjects from the catalogue (student chooses subjects according to credits)						
	***	25	0	11	14	credit, exam
Total amount of selective components		25	0	11	14	
TOTAL		90	30	34,5	25,5	

Matrix of competencies according to the Program

Codes of competencies	Codes of subjects according to the curriculum													
	SCP. 01	SCP. 02	SCP. 03	SCP. 04	SCP. 05	SCP. 06	SCP. 07	SCP. 08	CP.1	CP.2	CP.3	CP.4	CA. 1	CA.2
GC-1	+	+	+	+	+	+	+		+	+	+	+	+	+
GC-2							+		+	+	+	+	+	+
GC-3		+		+		+			+	+	+	+	+	+
GC-4								+	+	+	+	+	+	+
GC-5									+	+	+	+	+	+
GC-6		+		+		+			+	+	+	+	+	+
PC-1	+		+		+								+	+
PC-2	+	+	+	+	+	+	+		+	+	+	+	+	+
PC-3	+	+	+	+	+	+	+		+	+	+	+	+	+
PC-4		+		+		+			+	+	+	+	+	+
PC-5		+		+		+			+	+	+	+	+	+
PC-6		+		+		+			+	+	+	+	+	+
PC-7									+	+	+	+	+	
PC-8								+	+	+	+	+	+	+
PC-9									+	+	+	+	+	
PC-10									+	+	+	+	+	
PC-11							+		+	+	+	+	+	

Matrix of learning outcomes according to the Program

Codes of learning outcomes	Codes of subjects according to the curriculum													
	SCP. 01	SCP. 02	SCP. 03	SCP. 04	SCP. 05	SCP. 06	SCP. 07	SCP. 08	CP.1	CP.2	CP.3	CP.4	CA. 1	CA.2
PER-1								+	+	+	+	+	+	+
PER-2	+	+	+	+	+	+			+	+	+	+	+	+
PER-3		+		+		+	+		+	+	+	+	+	+
PER-4	+	+	+	+	+	+			+	+	+	+	+	+
PER-5		+		+		+			+	+	+	+	+	+
PER-6		+		+		+			+	+	+	+	+	+
PER-7		+		+		+			+	+	+	+	+	
PER-8		+		+		+			+	+	+	+	+	
PER-9								+	+	+	+	+	+	
PER-10		+		+		+		+	+	+	+	+	+	
PER-11	+	+	+	+	+	+	+		+	+	+	+	+	+
PER-12	+	+	+	+	+	+			+	+	+	+	+	+
PER-13	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PER-14							+		+	+	+	+	+	

Project team leader (Education program guarantor):

Leading research assistant
of the Department of Physical Therapy and Biokinesiology
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of Borys Grinchenko Kyiv University
Doctor of Medicine, Professor

V.M.Savchenko