EDUCATIONAL PROGRAM AT THE DOCTORAL SCHOOL AT GDANSK UNIVERSITY OF PHYSICAL EDUCATION AND SPORT

THE DOCTORAL SCHOOL EDUCATES CANDIDATES FOR THE ACADEMIC DEGREE OF DOCTOR IN THE FIELD OF MEDICAL AND HEALTH SCIENCES IN THE DISCIPLINE OF PHYSICAL CULTURE SCIENCES. THE EDUCATIONAL PROGRAM AT THE DOCTORAL SCHOOL PREPARES YOU FOR RESEARCH AND TEACHING WORK AND ENABLES YOU TO ACQUIRE THE KNOWLEDGE, SKILLS AND SOCIAL COMPETENCES REQUIRED FOR THE LEVEL 8 OF THE POLISH QUALIFICATIONS FRAMEWORK (PRK).

TAB. 1. Description of learning outcomes after graduating from the Doctoral School									
(1) Learning outcomes symbols for the education program			(3) Reference to						
		(2) The graduate achieves the following learning outcomes:	first degree (universal) PRK characteristics	characteristics of the second level of the PQF for qualifications obtained in higher education					
	KNOWLEDGE - THE GRADUATE KNOWS AND UNDERSTANDS								
1.	SD_W01	the latest scientific achievements and theories regarding phenomena and processes in the field of physical culture sciences, taking into account global achievements, in particular in relation to their own field of scientific activity;	P8U_W	P8S_WG					
2.	SD_W02	main development trends in physical culture sciences, including the field of competitive sports and health- promoting physical activity, taking into account both their biological and psychosocial aspects;	P8U_W	P8S_WG					
3.	SD_W03	advanced terminology in the field of physical culture sciences	P8U_W	P8S_WG					
4.	SD_W04	methods and tools and also principles of their use in carrying out scientific research or development work in the field of physical culture sciences;	P8U_W	P8S_WG					
5.	SD_W05	methods and tools for obtaining, collecting, using and making scientific data available (including IT tools; databases of scientific publications, registers of scientific research; database repositories);	P8U_W	P8S_WG					

6.	SD_W06	legal, social, ethical and philosophical aspects of conducting scientific activities in the field of physical culture sciences, including intellectual property issues;	P8U_W	P8S_WK
7.	SD_W07	principles of preparation and evaluation criteria of scientific publications in renowned domestic and foreign scientific journals and principles of financing scientific publications;	P8U_W	P8S_WK
8.	SD_W08	principles of oral presentation and posters with research results and the importance of these scientific reports for one's own development and the discipline of physical culture sciences;	P8U_W	P8S_WG
9.	SD_W09	methods of obtaining and settling funds for the implementation of research or implementation projects in the field of physical culture sciences;	P8U_W	P8S_WK
10.	SD_W10	methodology and modern techniques of conducting teaching classes	P8U_W	P8S_WK
11.	SD_W11	the importance and principles and tools of disseminating the results of scientific activities, including in the open access mode and in popular science forms;	P8U_W	P8S_WG
12.	SD_W12	the importance of transferring scientific knowledge from the area of physical culture sciences to the economic and social sphere.	P8U_W	P8S_WK

	SKILLS - THE GRADUATE CAN/IS ABLE TO:								
13.	SD_U01	effectively obtain information related to scientific activities from various sources, in particular from scientific databases (including international databases of scientific publications and registers of research projects), as well as critically evaluate this information; make their proper selection, analysis and interpretation;	P8U_U	P8S_UW					
14.	SD _U02	pose and creatively solve scientific problems, as well as plan and implement scientific research or development work, using the latest global, interdisciplinary knowledge and in accordance with the assumptions of methodology specific to physical culture sciences;	P8U_U	P8S_UW P8S_UO					
15.	SD _U03	obtain and collect scientific data, including in the form of databases, necessary to achieve the assumed scientific goals;	P8U_U	P8S_UW					
16.	SD _U04	analyze qualitative and quantitative data, including the usage of statistical analysis methods and tools, and present scientific data in graphical form;	P8U_U	P8S_UW					
17.	SD _U05	interpret the obtained research results and draw conclusions from them, including applications in the context of supporting the development of the discipline of physical culture sciences and social and economic development;	P8U_U	P8S_UW					
18.	SD_U06	work in a research team in the field of physical culture sciences, performing various roles in it, depending on professional competences and scientific skills;	P8U_U	P8S_UO P8S_UU					

19.	SD_U07	create and edit scientific texts in Polish and English, in accordance with the requirements of domestic and foreign scientific journals, including: the usage of the rules of referring to other people's work and tools for creating bibliographies.	P8U_U	P8S_UK
20.	SD_U08	prepare oral presentations in Polish and English in relation to one's own area of scientific activity;	P8U_U	P8S_UK
21.	SD _U09	organize, conduct and participate in scientific sessions and discussions related to physical culture sciences;	P8U_U	P8S_UK
22.	SD _U10	critically assess the substantive value of research conducted by other scientists and prepare a reliable review of a scientific text or scientific project;	P8U_U	P8S_UW
23.	SD_U11	effectively search for information on competitions aimed at financing scientific activities by domestic or foreign entities and write an application for financing scientific activities, consistent with one's own research topic in the field of physical culture sciences;	P8U_U	P8S_UW
24.	SD_U12	conduct teaching classes in the area of physical culture sciences using modern teaching techniques	P8U_U	P8S_UU
25.	SD_U13	use a foreign language at level B2 of the Common European Framework of Reference for Languages, to an extent that enables participation in the international scientific community in the field of physical culture sciences.	P8U_U	P8S_UK
	SOC	CIAL COMPETENCES - THE GRADUATE IS REA	DY TO:	
26.	SD_K01	critical assessment of global scientific achievements in the field of physical culture sciences;	P8U_K	P8S_KK
27.	SD _K02	critical assessment of one's own scientific work, professional and research competences and one's own contribution to the development of physical culture	P8U_K	D85 KK
		sciences;		F00_KK
28.	SD_K03	responsible undertaking of professional tasks in the academic community (e.g. lecturer, researcher) and behaving in a professional manner and observing the principles of professional ethics;	P8U_K	P8S_KO
28. 29.	SD _K03 SD _K04	sciences; responsible undertaking of professional tasks in the academic community (e.g. lecturer, researcher) and behaving in a professional manner and observing the principles of professional ethics; scientific activities in an independent and creative way, as well as showing initiative in creating new ideas and searching for innovative solutions in the field of physical culture sciences;	P8U_K P8U_K	P8S_KO P8S_KR
28. 29. 30.	SD _K03 SD _K04 SD _K05	responsible undertaking of professional tasks in the academic community (e.g. lecturer, researcher) and behaving in a professional manner and observing the principles of professional ethics; scientific activities in an independent and creative way, as well as showing initiative in creating new ideas and searching for innovative solutions in the field of physical culture sciences; belonging to the scientific community, following its ethical principles and taking actions aimed at its development, in particular in the area of physical culture sciences;	P8U_K P8U_K P8U_K	P8S_KO P8S_KR P8S_KR; P8S_KO
28. 29. 30. 31.	SD _K03 SD _K04 SD _K05 SD _K06	 contribution to the development of physical culture sciences; responsible undertaking of professional tasks in the academic community (e.g. lecturer, researcher) and behaving in a professional manner and observing the principles of professional ethics; scientific activities in an independent and creative way, as well as showing initiative in creating new ideas and searching for innovative solutions in the field of physical culture sciences; belonging to the scientific community, following its ethical principles and taking actions aimed at its development, in particular in the area of physical culture sciences; respecting the principles of intellectual property protection in scientific activities. 	P8U_K P8U_K P8U_K P8U_K	P8S_KO P8S_KR P8S_KR; P8S_KO P8S_KR
28. 29. 30. 31. Expl	SD_K03 SD_K04 SD_K05 SD_K06 anations_of	 contribution to the development of physical culture sciences; responsible undertaking of professional tasks in the academic community (e.g. lecturer, researcher) and behaving in a professional manner and observing the principles of professional ethics; scientific activities in an independent and creative way, as well as showing initiative in creating new ideas and searching for innovative solutions in the field of physical culture sciences; belonging to the scientific community, following its ethical principles and taking actions aimed at its development, in particular in the area of physical culture sciences; respecting the principles of intellectual property protection in scientific activities. 	P8U_K P8U_K P8U_K P8U_K	P8S_KO P8S_KR P8S_KR; P8S_KO P8S_KR

SD (before the underscore) - learning outcomes defined for the doctoral school program

W (after underscore) - effects from the knowledge category

U (after underscore) – effects from the skill category K (after underscore) – effects from the category of social competences

P8 – level 8 of the Polish Qualifications Framework (PRK)

U (before the underscore) - universal characteristics of the levels in the PQF

S – characteristics of the second level of PQF levels in higher education

WG - descriptive categories of knowledge: scope and depth

WK - descriptive categories of knowledge: context

UW - descriptive categories of skills: use of knowledge

UK - skill descriptive categories: communication

UO - descriptive categories of skills: work organization

UU - skill descriptive categories: learning

KK - descriptive categories of competences: assessments

KO - descriptive categories of competences: responsibility

KR - descriptive categories of competences: professional role

Tab. 2. SCHEDULE FOR THE IMPLEMENTATION OF THE EDUCATIONAL PROGRAM IN THE DOCTORAL SCHOOL

l n	D. Classes module		1st year		2nd year		3rd year		year	Number
∟р.			П	111	IV	V	VI	VII	VIII	hours:
	General subjects									
1.	Contemporary trends in physical culture sciences	6	6	6	6	9	9	6		48
2.	Ethics in scientific research	3								3
3.	Methodology of scientific research	6	6	6	6					24
4.	Statistical methods in scientific research	6	6	6	6	6	3			33
5.	Advanced database searching	6	6							12
6.	Use of bibliography managers	6								6
7.	Presentation of research results	3	3	3	3	3	3	6		24
8.	Methods of preparing a scientific text	3	3	3	3					12
9.	Applying for research funding		3	3	3					9
10.	Intellectual property law			3						3
11.	Interdisciplinarity of scientific research			3	3	3	3			12
12.	Research project management				3	3	3	3		12
13.	Interpersonal communication in the research team					3	3			6
14.	Managing a research team					3	3			6
15.	Philosophy of science					3				3
16.	Personal development of a scientist					3	3			6
17.	Bibliometric analysis							3		3
18.	Teaching in higher education		3	3						6
	number of hours:	36	36	36	36	36	27	18	0	228
	Seminar module:									
19.	Doctoral seminar	12	12	12	12	12	24	30	30	144
20.	Discussion forum	6	6	6	6	6	6	6		42
21.	Reporting session	6	6	6	6	6	6	6		42
	number of hours:	24	24	24	24	24	36	42	30	228
	Teaching practices:									
22.	Teaching practices	30	30	30	30	30	30	30	30	240
	Total number of educ	ationa	l hours	:						696

	TAB. 3. EDUCATIONAL PROGRAM - DESCRIPTION OF THE LEADING PROCESS TO OBTAIN LEARNING OUTCOMES AT LEVEL 8 PQF							
No.	Classes or group of classes	Learning outcomes symbols	Program content	Forms and methods of education	Methods of verifying and assessing the learning outcomes achieved by the student during the entire education cycle			
			General subjects:					
1.	Contemporary trends in physical culture sciences							
2.	Ethics in scientific research							
3.	Methodology of scientific research							
4.	Statistical methods in scientific research							
5.	Advanced database searching							
6.	Use of bibliography managers							
7.	Presentation of research results							
8.	Methods of preparing a scientific text							
9.	Applying for research funding							
10.	Intellectual property law							
11.	Interpersonal communication in the research team							
12.	Research project management							
13.	Interpersonal communication in the research team							
14.	Managing a research team							

15.	Philosophy of science						
16.	Personal development of a scientist						
17.	Bibliometric analysis						
18.	Teaching in higher education						
		seminar module:					
19.	Doctoral seminar						
20.	Discussion forum						
21.	Reporting sessions						
	teaching practices:						
22.	teaching practices						