SYLLABUS – DOCTORAL SCHOOL
CYCLE OF EDUCATION 2022 TO 2026

BASIC INFORMATION CONCERNING THIS SUBJECT	
Subject title	**DOCTORAL SEMINAR**
Name of the unit realizing the subject	**Doctoral School in University of Rzeszów**
Subject type (compulsory, optional)	Monodiscipline (subject to choose from)
Year/Semester	I-IV, sem. I-VII
Discipline	Science of Physical Culture
Language of lecture	polish
Name and surname of the course coordinator	Krzysztof Przednowek, PhD, DSc, Associate Prof.
Name and surname of the course instructor	Krzysztof Przednowek, PhD, DSc, Associate Prof.
Prerequisites	In-depth knowledge, skills and social competences in physical culture sciences acquired during first and second cycle studies. Detailed knowledge of research methodology applied in physical culture sciences.

ABSTRACT OF THE SUBJECT
(synthetic description of the content and objectives of the subject; 100-200 words)

The seminar aims to equip doctoral students with the skills, knowledge and social competences necessary to prepare a doctoral dissertation, particularly in physical culture sciences. As part of the course, doctoral students acquire broad subject and methodological knowledge of research techniques consistent with their research topic. The doctoral seminar also aims to equip doctoral students with the skills to improve their erudition in their field of study and the ability to communicate the knowledge gained through scientific research in a clear and substantive manner.

METHODS OF VERIFICATION OF LEARNING OUTCOMES

Symbol of effect	Expected learning outcomes efekty	Reference to learning outcomes for qualifications at PRK level 8 (symbol)	Form of didactic classes	Verification methods (e.g., colloquium, oral exam, written exam, project, etc.)
Knowledge No.	**Knows and understands**			
1	To a degree enabling the revision of existing paradigms, is familiar with global achievements, including theoretical foundations, general issues and selected specific issues relevant to the scientific discipline of physical culture and related disciplines.	P8S_WG1	Seminar	project
2	Has extensive knowledge of the direction of development and the latest discoveries in the discipline of physical culture science, current scientific achievements, including global achievements in the field of research in the discipline of physical	P8S_WG2	Seminar	project

	culture science and related disciplines.			
3	The conceptual framework used in the discipline of physical culture and related disciplines, also in a foreign language that is predominant in this field.	P8S_WG3	Seminar	project
Skills No.	**Is able to**			
1	Use knowledge from various fields of science to creatively identify and innovatively solve complex problems or perform research tasks, in particular: define the purpose and subject of scientific research, formulate a research hypothesis, develop research methods, techniques and tools and apply them creatively, draw conclusions based on scientific research.	P8S_UW1	Seminar	project
2	Use scientific literature to identify and solve research problems and those related to innovative activities, as well as apply the appropriate tools to create new elements of this output.	P8S_UW2	Seminar	project
3	Critically analyze and evaluate the results of scientific research, expert activities and other works of a creative nature and their contribution to the development of knowledge	P8S_UW3	Seminar	project
4	Use a foreign language at level B2 of the Common European Framework of Reference for Languages to a degree that enables effective participation in an international academic and professional environment.	P8S_UK6	Seminar	presentation
Social competence No.	**Is ready to**			
1	Critically evaluate achievements within the scientific discipline of physical culture studies and related disciplines.	P8S_KK1	Seminar	project
2	Recognise the importance of knowledge in solving cognitive and practical problems.	P8S_KK3	Seminar	project

FORMS OF TEACHING CLASSES, HOURS AND CREDITS1						
Semester No.	Lecture	Exercise	Laboratory	Practical	Other	**Number of point ECTS**
I - VII	-	-	-	-	7 x 15 hrs. – 105 hrs.	14

TEACHING METHODS

1. Analysis and interpretation of scientific sources with discussion.
2. Multimedia presentations.
3. Participation in laboratory tests.
4. Statistical processing of research results.
5. Creating and discussing research reports

PROGRAM CONTENT

Curriculum content covered during the course (semesters I to VII):

1. Analysis of research methods used in physical culture studies.
2. Formulation of research objectives, research questions and research hypotheses for the doctoral dissertation topic.
3.Selection of sources of knowledge enabling the development of a selected research problem. Selection and critical analysis of sources of knowledge in order to determine the current state of knowledge on the research topic.
4.Discussion of the principles of intellectual property protection and preparation of an application to the bioethics committee.
5. Preparation and discussion of a detailed concept for the doctoral dissertation.
6. Preparation of a presentation of the doctoral dissertation assumptions.
7. Discussion and selection of appropriate qualitative and quantitative methods of analysis for the research conducted.
8. Editing of the doctoral dissertation – formal structure of the dissertation (scientific language, bibliographic description).

CONDITIONS FOR COMPLETING THE SUBJECT (EVALUATION CRITERIA)

Year I

- Preparation of a detailed thesis concept, including the objective, research questions and hypotheses.
- Preparation of a literature review.

Year II

- Preparation of a review and selection of research methods and techniques used in the thesis.
- Preparation and writing of the entire methodology chapter.
- Conducting pilot studies.
- Preparation of a presentation with the thesis concept.

Year III

- Conducting research and compiling results, including discussion.

Year IV

- Submission of the written doctoral thesis to the supervisor.

The grade is determined on the basis of the total number of points obtained from the project:

Possible semester grades are: 2.0, 3.0, 3.5, 4.0, 4.5, 5.0.

- up to 50% of points - ndst (2.0)
- 51-60% of max. points - dst (3.0)
- 61–70% max. points – satisfactory plus (3.5)
- 71–80% max. points – good (4.0)
- 81–90% max. points – good plus (4.5)
- 91–100% max. points – very good (5.0)

TOTAL STUDENT WORKLOAD REQUIRED TO ACHIVE THE DESIRED RESULT IN HOURS AND ECTS CREDITS	
Activity	The average number of hours to complete the activity
Hours carried out in direct contact resulting from the study plan	**7 x 15 – 105 hrs.**
Others with the participation of the teacher (participation in consultations, exam)	**60**
Hours carried out independently by the PhD student (preparation for classes, exam, writing a paper, etc.)	**255 hrs.**
TOTAL HOURS	**420 hrs.**
TOTAL NUMBER OF ECTS CREDITS*	**14**

LITERATURE

Primary literature:	1. Anguera, M. T., & Hernández Mendo, A. 2013. Observational methodology in sport sciences. 2. Haag, H. (Ed.). (2010). Research methodology for sport and exercise science (Vol. 6). Logos Verlag Berlin GmbH. 3. Siwiński W., Tauber R. 2006, Metodologia badań naukowych, WSHiG, Poznań. 4. Ryguła I. 2003, Proces badawczy w naukach o sporcie. AWF Katowice, Katowice. 5. Weiner J. 1992, Technika pisania i prezentowania prac naukowych, Skrypty Uczelniane UJ, Kraków.
Supplementary literature:	1. BARREIRA, D., CASAL, C. A., LOSADA, J. L., & MANEIRO, R. (2020). OBSERVATIONAL METHODOLOGY IN SPORT: PERFORMANCE KEY ELEMENTS. FRONTIERS IN PSYCHOLOGY, 11, 596665. 2. FLICK, U. (2015). INTRODUCING RESEARCH METHODOLOGY: A BEGINNER'S GUIDE TO DOING A RESEARCH PROJECT. SAGE.

*(1 ECTS POINT CORRESPONDS TO 25–30 HOURS OF TOTAL WORK BY THE DOCTORAL STUDENT NECESSARY TO ACHIEVE THE INTENDED RESULTS)

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Date and signature of the course lecturer

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Approval of the Head of the Unit or authorised person