SYLLABUS – DOCTORAL SCHOOL
CYCLE OF EDUCATION 2022-2026

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-II, sem. I-IV
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	Basic knowledge, skills and competences in physical culture sciences passed on first- and second-degree studies. Detailed knowledge of the research methodology used in the sciences of physical culture.

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

The seminar aims to equip the PhD student with the skills, knowledge and competence to prepare a doctoral dissertation, in the field of physical culture sciences. As part of the course, the PhD student acquires advanced subject and methodological knowledge of research techniques consistent with the research topic undertaken. The doctoral seminar is also intended to equip the doctoral student with the ability to raise the level of his erudition in the field of the practiced scientific field and the ability to clearly and substantively transfer knowledge obtained as part of scientific research.

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 the extent that allows the revision of existing paradigms - world achievements, including theoretical foundations as well as general issues and selected specific issues - appropriate for the scientific or artistic discipline.	P8S_WG1	Seminar	project
2	Directions of development and the latest discoveries in the selected scientific discipline, current scientific achievements, including global, in the field of research in the area of the discipline.	P8S_WG2	Seminar	project

3	The conceptual framework of the discipline (also in a foreign language for it leading) and related disciplines.	P8S_WG3	Seminar	project
Skills No.	**Is able to**			
1	Use knowledge from various fields of science or art 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 the scientific literature to identify and solve research problems and related to innovative activities, and also uses the right workshop to create new elements this achievement.	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 the B2 level of the European System of Language Education to the extent that allows participation in the international scientific and professional environment.	P8S_UK6	Seminar	presentation
Social competence No.	**Is ready to**			
1	Critical evaluation of achievements this scientific or artistic discipline.	P8S_KK1	Seminar	project
2	Recognize the importance of knowledge in solving cognitive problems and practical	P8S_KK3	Seminar	project

FORMS OF TEACHING CLASSES, HOURS AND CREDITS1

Semester No.	Lecture	Exercise	Laboratory	Practical	Other	**Number of point ECTS**
I	-	-	-	-	Seminar	2
II	-	-	-	-	Seminar	2
III	-	-	-	-	Seminar	2

IV	-	-	-	-	Seminar	2

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

1. Analysis of research methods used in physical culture sciences.
2. Formulating the purpose of research, research questions and research hypotheses of the undertaken issues of the doctoral dissertation.
3. Selection of sources of knowledge enabling the development of a selected research problem. Carrying out a selection and critical analysis of knowledge sources in order to determine the current state of knowledge on the research topic undertaken.
4. Discussion of the principles of intellectual property protection and preparation of a proposal to the bioethics committee.
5. Preparation and discussion of a detailed concept of the doctoral thesis.
6. Preparation of the presentation of the assumptions of the doctoral thesis.
7. Discussion and selection of appropriate methods of qualitative and quantitative analysis of the conducted research.
8. Editing of the doctoral thesis - formal structure of the work (scientific language, bibliographic description).

CONDITIONS FOR COMPLETING THE SUBJECT (EVALUATION CRITERIA)

Semester I

- Preparation of a detailed concept of work with the aim, questions and research hypotheses.
- Preparation of a literature review.

Semester II

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

Semester III

- Conducting research and elaboration of results with discussion.

Semester IV

- Handing over the written doctoral thesis to the supervisor.

The grade is based on the sum of points obtained from the project:

- 51–60% max. points – dst (3,0)
- 61–70% max. points – dst plus (3,5)
- 71–80% max. points – db (4,0)
- 81–90% max. points – db plus(4,5)
- 91–100% max. points – bdb (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	60

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.)	80
TOTAL HOURS	200
TOTAL NUMBER OF ECTS CREDITS	8

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.