A COURSE SYLLABUS – DOCTORAL SCHOOL
regarding the qualification cycle from 2025/2026 to 2028/2029

GENERAL INFORMATION ABOUT COURSE	
Course title	*RESEARCH METHODOLOGY*
Name of the unit running the course	Doctoral School of the University of Rzeszów
Type of course *(obligatory, optional)*	compulsory
Year and semester of studies	First year/First and second semester
Discipline	**pedagogy**
Language of Course	Polish language
Name of Course coordinator	**Dr Urszula Gruca-Miąsik, Professor at the University of Rzeszów**
Name of Course lecturer	**Dr Urszula Gruca-Miąsik, Professor at the University of Rzeszów**
Prerequisites	Knowledge, skills and social competences related to the methodology of conducting scientific research, achieved at level 7 of the Polish Qualifications Framework, with a focus on conducting research in the field of pedagogy.

BRIEF DESCRIPTION OF COURSE (100-200 words)
As part of the course 'Research Methodology', doctoral students will consolidate their knowledge, skills and social competences regarding the set of rules, procedures and techniques used in the scientific research process in the scientific discipline of pedagogy. These include planning, implementation and analysis of research results, with the aim of obtaining reliable and objective results. A key aspect in achieving the set goal is the selection of appropriate research methods that will allow for an adequate solution to the research problem and confirmation or refutation of the hypotheses.

COURSE LEARNING OUTCOMES AND METHODS OF EVALUATING LEARNING OUTCOMES				
Learning outcome	The description of the learning outcome defined for the course	Relation to the degree programme outcomes (symbol)	Learning Format (Lectures, classes,...)	Method of assessment of learning outcomes (e.g. test, oral exam, written exam, project,...)
Knowledge (no.)	knows and understands, has knowledge			
P8S_WG3	Knows, understands and uses specialist terminology used in the national and international scientific and professional environment in the scientific discipline of pedagogy, in which scientific research is planned.	**P8S_WG**	Conversatory	discussion,
P8S_WG4	Has extensive knowledge of applied scientific research methodology in the discipline of pedagogy, using interdisciplinary research tools and techniques to obtain the most reliable and objective research results.	**P8S_WG**	Conversatory	project
P8S_WK3	Has extensive knowledge of the possibilities of transferring the results of their scientific activity to the economic and social spheres.	**P8S_WK**	Conversatory	project

Skills (no.)	can				
P8S_UW1	He is able to use interdisciplinary knowledge to identify and practically solve research problems encountered by: defining the objective, subject and research hypothesis, creating innovative research methods, techniques and tools, and drawing constructive conclusions based on the research results obtained.	**P8S_UW**	Conversatory	project, discussion
P8S_UK1	He/she is able to actively participate in national and international scientific and professional communities, sharing the results of his/her research work.	**P8S_UK**	Conversatory	Confirmed active participation in international conferences
P8S_UO1	Through active participation in national and international research communities, he/she is able to participate in individual and team scientific projects, performing various roles in them.	**P8S_UO**	Conversatory	project
Social competence (no.)	is ready to				
P8S_KR1	Is ready to strengthen and develop the ethos of research communities, including conducting scientific activity independently, taking into account the principles of intellectual property protection and the principles of public ownership of research results.	**P8S_KR**	Conversatory	discussion

Semester (no.)	Lectures	seminar	Conversatory / Lab classes	Internships	others	ECTS
I	-	-	-	-	30	3
II	-	-	-	-	30	3
total:	-	-	-	-	60	6

METHODS OF INSTRUCTION

- TRADITIONAL SEMINAR;
- SEMINAR WITH MULTIMEDIA PRESENTATION;
- PROJECT;
- DISCUSSION.

COURSE CONTENT

Semester I:

1. Characteristics of language in social sciences.
2. Methods of conducting research in pedagogy.
3. Quantitative and qualitative methods. Mixed research procedures.
4. Techniques used in social research.
5. Standardised research tools and principles of developing original tools.

Semester II:
1. Research problems and hypotheses, variables, variable categories and their indicators.
2. Principles of research design. Research field and its organisation.
3. Methods of selecting research groups.
4. Methods of quantitative and qualitative data analysis.
5. Verification of research hypotheses, statistical studies.

COURSE ASSESSMENT CRITERIA

The course is taught in semesters I and II. After semester I, the course ends with a ZO1 grade, and after semester II, it ends with an E2 examination. Classes are conducted in direct contact between the doctoral student and the supervisor.

In order to pass the course after semester I, students must demonstrate their knowledge, skills and competences, as well as their familiarity with the literature on the subject matter covered during the course.
In order to pass the exam after semester II, students must obtain at least
51% of the points from the written assignment.

In order to obtain a positive assessment, a conversion factor is applied for the relevant percentage of points obtained:
- up to 50% - unsatisfactory (the doctoral student is not making progress in scientific research, is not expanding their knowledge, is not studying the literature, is not participating in substantive discussions, is not fulfilling their scientific obligations);
- 51% - 60% - satisfactory (the doctoral student makes negligible progress in scientific research, expands their knowledge, studies basic literature, the discussion is limited to a narrow range of substantive knowledge, fulfils basic scientific duties);
- 61% - 70% - satisfactory plus (the doctoral student makes progress in scientific research, expands their knowledge, studies basic literature, participates substantively in discussions, fulfils their scientific duties);
- 71% - 80% - good (the doctoral student makes significant progress in scientific research, broadens their knowledge, studies basic and supplementary literature, participates substantively in discussions, fulfils all scientific duties);
- 81% - 90% - good plus (the doctoral student makes significant progress in scientific research, systematically expands their knowledge, studies basic and supplementary literature, participates substantively in discussions, fulfils all scientific obligations);
- 91% - 100% - very good (the doctoral student makes significant progress in scientific research, systematically expands their knowledge, studies basic, supplementary and advanced literature, participates substantively in discussions, fulfils

TOTAL PhD STUDENT WORKLOAD REQUIRED TO ACHIEVE THE INTENDED LEARNING OUTCOMES
– NUMBER OF HOURS AND ECTS CREDITS

Activity	Number of hours
Scheduled course contact hours	**2 x 30 hrs. – 60 hrs.**
Other contact hours involving the teacher (consultation hours, examinations)	**4**
Non-contact hours – student`s own work (preparation for classes or examinations, project, etc.)	**116 hrs**
Total number of hours	180
Total number of ECTS credits	6

INSTRUCTIONAL MATERIALS

Compulsory literature:	1. Apanowicz J., Metodologiczne uwarunkowania pracy naukowej, Warszawa 2005. 2. Babie E., Badania społeczne w praktyce, Warszawa 2004. 3. Cieślarczyk M., Metody, techniki i narzędzia badawcze oraz elementy statystyki stosowane w pracach magisterskich i doktorskich, Warszawa 2003. 4. Creswell J.W., Projektowanie badań naukowych, Kraków 2013. 5. Drewes A., Metodologia badań naukowych, Warszawa 2021. 6. Józefacka N., Kołek M., Arciszewska-Leszczuk A., Metodologia i statystyka, Warszawa 2023.

	7. Kawa J., Metodologia, metodyka, metoda jako podstawa wywodu naukowego Studia Prawnoustrojowe nr 21, 169-188 2013.
	8. Kotarbiński T., Elementy teorii poznania, logiki formalnej i metodologii nauk, Wrocław 1990.
	9. Łobocki M, Wprowadzenie do metodologii badań pedagogicznych, Oficyna Wydawnicza „Impuls", Kraków 2008..
	10. Nowak S., Metodologia badań społecznych, Warszawa 2007.
	11. Pelc M., Elementy metodologii badań naukowych, Warszawa 2009.
	12. Pilch T. Zasady badań pedagogicznych, Warszawa 1998.
	13. Rubacha K. Metodologia badań nad edukacją, Warszawa 2008.
	14. Sztumski J. Wstęp do metod i technik badań społecznych, Warszawa 2005.
Complementary literature:	1. Babie E., Podstawy badań społecznych , Warszawa 2008.
	2. Chojnacki Z., Metody i techniki badań pedagogicznych, praca studyjna IH AON, Warszawa 2000.
	3. Perechuda K., Holistyczna Metodologia Nauk. Ontologia i epistemologia badań naukowych. Wyd, II, Warszawa 2023.
	4. Silverman D., Interpretacja danych jakościowych, Warszawa 2012.
	5. Zieliński J. Metodologia pracy naukowej, Warszawa 2012.

*(1 ECTS CREDIT CORRESPONDS TO 25 - 30 HOURS OF THE TOTAL WORKLOAD OF A DOCTORAL STUDENT, NEEDED TO ACHIEVE THE ESTABLISHED EFFECTS).

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Date and signature of the Course lecturer

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Approved by the Head of the Department or an authorised person