

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 (<i>obligatory, optional</i>)		compulsory		
Year and semester of studies		First year/First and second semester		
Discipline		Archaeology		
Language of Course		Polish language		
Name of Course coordinator		Dr Marta Połtowicz-Bobak, Prof. UR		
Name of Course lecturer		Dr Marta Połtowicz-Bobak, Prof. UR		
Prerequisites		Knowledge, skills and social competences related to the methodology of conducting scientific research, achieved at level 7 of the Polish Qualifications Framework in the discipline of archaeology.		
BRIEF DESCRIPTION OF COURSE (100-200 words)				
<p>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 applied in the scientific discipline of archaeology. These include planning, conducting and analysing research with the aim of obtaining reliable and objective results. A key aspect in achieving this 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. Doctoral students will learn how to work with scientific tests, the principles of preparing scientific texts, and presentations and posters presenting the results of their research.</p>				
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_WG/3	Knows, understands and uses specialist terminology used in the national and international scientific and professional environment in the scientific discipline of archaeology, in which scientific research is planned.	P8S_WG	Conversatory	project, discussion
P8S_WG/4	Has extensive knowledge of the applied research methodology in the discipline of archaeology, using interdisciplinary research tools and techniques to obtain the most reliable and objective research results.	P8S_WG	Conversatory	written assignments, project
P8S_WK/3	Has extensive knowledge of the possibilities of transferring the results of their scientific activity to the economic and social spheres.	P8S_WK	Conversatory	written assignments, project

Skills (no.)	can					
P8S_UW/1	He/she 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 conclusions based on the research results obtained.			P8S_UW	Conversatory	project, discussion
P8S_UK/1	Actively participate in national and international scientific and professional communities, sharing the results of their research work.			P8S_UK	Conversatory	written assignments, project
P8S_UO/1	Through active participation in national and international research communities, participate in individual and team scientific projects, performing various roles.			P8S_UO	Conversatory	written assignments, project
Social competence (no.)	is ready to					
P8S_KR1	Strengthen and develop the ethos of research communities, including conducting scientific activities independently, taking into account the principles of intellectual property protection and public ownership of research results.			P8S_KR	Conversatory	project, discussion
Semester (no.)	Lectures	seminar	Conversatory / Lab classes	Internships	others	ECTS
I	-	-	-	-	30	3
II	-	-	-	-	30	3
total:	-	-	-	-	60	6
METHODS OF INSTRUCTION						
<ul style="list-style-type: none"> - <i>TRADITIONAL SEMINAR;</i> - <i>SEMINAR WITH MULTIMEDIA PRESENTATION;</i> - <i>PROJECT;</i> - <i>DISCUSSION.</i> 						
COURSE CONTENT						
<p>Semester I:</p> <ul style="list-style-type: none"> - Classification and typology of scientific research. - Characteristics and sources of data in archaeology. - Bibliography and citation of literature. - Working with scientific texts. <p>Semester II:</p> <ul style="list-style-type: none"> - Rules for preparing presentations and posters. - Leading and participating in scientific discussions. - Ethical aspects of studying and conducting scientific research. - Protection of intellectual property and ethics in conducting scientific research. - Selection of research methods and tools. 						

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 or assistant supervisor.

In order to pass the course after semester I, a report on the completion of the task must be submitted.

In order to pass the course exam after semester II, at least 51% of the points from the written work must be obtained.

In order to obtain a positive grade, the following conversion table is used for the corresponding 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, expands 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 all scientific obligations);

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 hrs.
Total number of ECTS credits	6 ECTS

INSTRUCTIONAL MATERIALS

Compulsory literature:	<p>Święchowicz J. (red.) 2016. Pracownia ogólna. Przewodnik rozwoju kluczowych kompetencji uczenia się i prowadzenia badań podczas studiów. Kraków</p> <p>Zieliński J. 2019. Metodologia pracy naukowej. Oficyna wyd. ASPRA-JR</p> <p>Apanowicz J. 2015. Metodologiczne uwarunkowania pracy naukowej: prace doktorskie, prace habilitacyjne, Warszawa.</p>
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Complementary literature:	Allhof D.W., Allhof W. 2008. Sztuka przekonywania do własnych racji. Retoryka i komunikacja. Kraków. Mames J. 1993. Kodeks etyczny pracownika nauki. Nauka Polska 3. WEINER J. 1992. TECHNIKA PISANIA I PREZENTOWANIA PRAC NAUKOWYCH, WYDAWNICTWO UJ, KRAKÓW.
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*(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