

**A COURSE SYLLABUS – DOCTORAL SCHOOL
REGARDING THE QUALIFICATION CYCLE FROM 2024/2025 TO 2027/2028**

GENERAL ITEM INFORMATION				
Course title	DOCTORAL WORKSHOP			
Name of the unit running the course	Doctoral School at the University of Rzeszów			
Type of course (<i>obligatory, optional</i>)	compulsory subject			
Year/semester of studies	years I–IV, semesters: I–VIII			
Discipline	Archaeology			
Language of course	Polish			
Name of the course coordinator	Dr Marcin Wołoszyn, Professor at the University of Rzeszów			
Name of the course lecturer	Dr Marcin Wołoszyn, Professor at the University of Rzeszów			
Prerequisites	PhD student status and preliminary research plan. Preliminary reading of literature related to the PhD student's research interests.			
BRIEF DESCRIPTION OF COURSE (100-200 words)				
<p>The initial classes will focus on preparing the doctoral student for source-based research work on typology and archaeometry. The research work will concentrate on glassware from the Polish-Rus borderland from the early Middle Ages. This will be followed by excavation and research work. This work should be carried out in accordance with the doctoral student's Individual Research Plan. During the classes, the research problem that is the subject of the doctoral dissertation, the aim and subject of the scientific research will be defined. Research methods, techniques and tools will be selected. The content of the research will be closely related to the topic of the doctoral dissertation (working title: Between typology and archaeometry. Glass from the Polish-Rus borderland from the early Middle Ages).</p>				
LEARNING OUTCOMES FOR THE SUBJECT AND ASSESSMENT METHODS				
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:	Knows and understands			
W ₁	Has extensive knowledge and is familiar with global scientific achievements (theoretical foundations and general issues) in archaeology and research on the history of archaeology.	P8S_WG1	seminar	Discussion, presentation

W ₂	Is familiar with global trends and the latest discoveries in archaeology and research on the history of archaeology.	P8S_WG ₂	seminar	Discussion, presentation
W ₃	Knows and understands the conceptual framework used in the scientific and professional environment of archaeologists and in research on the history of archaeology.	P8S_WG ₃	seminar	Discussion, presentation
W ₄	Knows the methodology of scientific research used in archaeology and related disciplines, has knowledge of research planning and implementation in an interdisciplinary formula.	P8S_WG ₄	seminar	Discussion, presentation
Skills:	Able to			
W ₁	The doctoral student is able to define the aim and subject of scientific research, formulate a research hypothesis, and draw conclusions based on the results of scientific research.	P8S_UW ₁	seminar	Discussion, presentation
W ₂	Able to use available scientific literature to identify and solve research problems.	P8S_UW ₂	seminar	Discussion, presentation
W ₃	The doctoral student is able to critically analyse and evaluate the results of scientific research and expert studies and assess their contribution to the development of knowledge.	P8S_UW ₃	seminar	Discussion, presentation
Social competence:	Ready to			
K ₁	He/she is ready to critically evaluate existing scientific achievements in the scientific discipline of archaeology, thematically related to the doctoral dissertation.	P8S_KK ₁	seminar	Discussion, presentation
LEARNING FORMAT – NUMBER OF HOURS				

Semester (no.)	Lectures	Seminars	Laboratories/ Seminar	Internships	Other	ECTS
I - VIII	-	8 x 30 hrs. - 240 hrs.	-	-	-	24
METHODS OF INSTRUCTION						
Discussion, presentation, working with sources, joint trips to museums in eastern Poland (work in archives)						
COURSE CONTENT						
The programme content relates to the topic of scientific research connected with the doctoral thesis being prepared: The doctoral student's most important goal is to attempt to develop a method for comparing traditional classification (based on the shape, dimensions and colour of monuments) with classification that takes into account the results of chemical composition analysis of monuments.						
COURSE ASSESSMENT CRITERIA						
Passing the course with a grade after each semester of classes, applicable grading scale: 2.0, 3.0, 3.5, 4.0, 4.5, 5.0.						
Requirements for passing the course:						
<ol style="list-style-type: none"> 1) active participation in classes, 2) acceptable level of knowledge in classes, 3) preparation of a text in a form ready for printing (studies on selected glass monuments from Poland/ studies on classification systems in archaeology/ studies on the application of archaeometric research) – once every two semesters, 4) systematic conduct of scientific research, 5) compilation of research results, 6) preparation of documentation related to research activities, 7) participation in team work, 8) cooperation with archaeometric laboratories outside Poland. 						
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			240 hrs. - 8 x 30 hrs.			
Other contact hours involving the teacher (consultation hours, examinations)			30 hrs.			
Non-contact hours – student`s own work (preparation for classes or examinations, project, etc.)			450 hrs.			
TOTAL NUMBER OF HOURS			720 hrs.			
TOTAL NUMBER OF ECTS CREDITS*			24			
INSTRUCTIONAL MATERIALS						

Compulsory literature:	<p>Dekówna M. 1980, <i>Szkło w Europie wczesnośredniowiecznej</i>, Wrocław-Warszawa-Kraków-Gdańsk.</p> <p>Freestone I., 2005, <i>The Provenance of Ancient Glass through Compositional Analysis</i>, Materials Research Society symposia proceedings. MRS Online Proceedings Library, 852, https://doi.org/10.1557/PROC-852-008.1</p> <p>Nenna M-D., Picon M., Vichy M., 2000, <i>Ateliers primaires et secondaires en Égypte à l'époque gréco-romaine</i>, La Route du verre. Ateliers primaires et secondaires du second millénaire av. J.-C. au Moyen Âge. Colloque organisé en 1989 par l'Association française pour l'Archéologie du Verre (AFAV) Lyon: Maison de l'Orient et de la Méditerranée Jean Pouilloux, s. 97-112. https://www.persee.fr/doc/mom_1274-6525_2000_act_33_1_1877</p> <p>Schibille, N. 2022, <i>Islamic Glass in the Making: chronological and geographical dimensions</i>, Leuven, DOI: 10.11116/9789461664419</p> <p>Šapova, J. L., 1983, <i>Očerki istorii drevnego steklodeliâ</i>, Moskva</p>
Complementary literature:	<p>Dekówna M., 1988, <i>Uwagi na temat klasyfikacji i interpretacji pozostałości starożytnej i wczesnośredniowiecznej produkcji szklarskiej</i>, <i>Studia nad etnogenезą Słowian</i>, G. Labuda, S. Tabaczyński (eds.), Wrocław–Warszawa–Kraków–Gdańsk–Łódź, 5-20.</p> <p>Schibille N., Gratuze B., Ollivier E., Blondeau É., 2019, <i>Chronology of early Islamic glass compositions from Egypt</i>, <i>Journal of Archaeological Science</i>, 104, 10-18. https://doi.org/10.1016/j.jas.2019.02.001</p> <p>Olczak J., 1968, <i>Wytwórczość szklarska na terenie Polski we wczesnym średniowieczu. Studium archeologiczno-techniczne</i>, Wrocław-Warszawa-Kraków</p> <p>Tite M., Shortland A., Maniatis Y., Kavoussanaki D., Harris S., 2006, <i>The Composition of the Soda-Rich and Mixed Alkali Plant Ashes Used in the Production of Glass</i>, "Journal of Archaeological Science", 33(9), 1284–1292.</p> <p>Wedepohl K.H., Simon K., 2010, <i>The chemical composition of medieval wood ash glass from Central Europe</i>, "Chemie der Erde-Geochemistry", 70, 89–97.</p>

*(1 ECTS CREDIT CORRESPONDS TO 25 - 30 HOURS OF TOTAL WORKLOAD OF THE DOCTORAL STUDENT NEEDED TO ACHIEVE THE EXPECTED OUTCOMES)

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DATE AND SIGNATURE OF THE COURSE TUTOR

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APPROVAL OF THE HEAD OF THE UNIT OR AUTHORISED PERSON