

**A COURSE SYLLABUS – DOCTORAL SCHOOL
REGARDING THE QUALIFICATION CYCLE FROM 2022 TO 2026**

GENERAL INFORMATION ABOUT COURSE				
Course title		Doctoral seminar		
Name of the unit running the course		Doctoral School at University of Rzeszów		
Type of course (<i>obligatory, optional</i>)		Obligatory		
Year and semester of studies		I-IV year/I-VII semester		
Discipline		Health Sciences		
Language of Course		Polish		
Name of Course coordinator		Hab. Agnieszka Guzik, Assistant professor		
Name of Course lecturer		Hab. Agnieszka Guzik, Assistant professor		
Prerequisites		Before starting the course, a doctoral school student has the knowledge, skills and competences from the completed level 7 of the Polish Qualification Framework.		
BRIEF DESCRIPTION OF COURSE (100-200 words)				
The doctoral seminar aims to prepare a doctoral student for: conducting scientific research, formulating objectives, research questions and hypotheses, performing systematic analysis of the current knowledge related to the subject matter covered by the doctoral dissertation, advancing his/her knowledge, skills and social competences necessary to design research in the discipline of health sciences, conducting discussions and acquiring the ability to draw conclusions from scientific research, performing literature reviews, writing scientific papers, participating in scientific conventions, and writing the doctoral dissertation.				
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)			
1.	To the extent enabling a revision of the existing paradigms – global achievements, covering theoretical foundations as well as general issues and selected specific issues - appropriate for a scientific or artistic discipline	P8S_WG1	Seminar	Discussion, defining the assumptions and the design of the doctoral dissertation - the theoretical part - semester I and II
2.	Trends in the advancements and the latest discoveries in the selected scientific discipline, current scientific achievements, both in Poland and globally, in research related to a given discipline.	P8S_WG2	Seminar	Discussion, defining the assumptions and the design of the doctoral dissertation - the theoretical part - semester I and II
3.	Conceptual framework of a given discipline (also in the foreign language presenting the greatest impact), and of the related disciplines.	P8S_WG3	Seminar	Discussion, defining the assumptions and the design of the doctoral

				dissertation - the theoretical part - semester I and II
Skills (no.)	(Able to)			
1.	Use knowledge from various fields of science or art for the creative identification and innovative solving of complex problems or performing research tasks, in particular: - define the purpose and subject of research, formulate a research hypothesis, - develop methods, techniques and research tools and use them creatively, - make conclusions on the basis of scientific research	P8S_UW1	Seminar	Discussion, preparation of the doctoral dissertation - the research part, preparation of a research project, preparation of an article for publication, activity related to conferences - semester II-VII
2.	Use scientific literature to identify and solve research problems as well as issues related to innovative activity, and apply adequate techniques to contribute novel concepts and solutions.	P8S_UW2	Seminar	Discussion, preparation of the doctoral dissertation - the research part, preparation of a research project, preparation of an article for publication, activity related to conferences - semester II-VII
3.	Perform a critical analysis and evaluation of the results of scientific research, expert activities and other creative works and their contribution to the development of knowledge.	P8S_UW3	Seminar	Discussion, preparation of the doctoral dissertation - the research part, preparation of a research project, preparation of an article for publication, activity related to conferences - semester II-VII
4.	Use a foreign language at a B2 level of the Common European Framework of Reference for Languages, enabling collaboration within the international scientific	P8S_UK6	Seminar	Discussion, preparation of the doctoral dissertation - the research part,

	and professional community.				preparation of a research project, preparation of an article for publication, activity related to conferences - semester II-VII	
Social competence (no.)	(Ready to)					
1.	Critical evaluation of the achievements within a given scientific or artistic discipline.	P8S_KK1	Seminar		Discussion, conference activity – semesters II-VII	
2.	Recognize the importance of knowledge in solving cognitive and practical problems .	P8S_KK3	Seminar		Discussion, conference activity – semesters II-VII	
LEARNING FORMAT – NUMBER OF HOURS						
Semester (no.)	Lectures	Seminars	Lab classes	Internships	others	ECTS
I-VII					Seminar	14
METHODS OF INSTRUCTION						
Discussion, analysis of literature, preparation of a multimedia presentation, individual work.						
COURSE CONTENT						
<p>Semester I</p> <p>Literature analysis.</p> <p>Selection of the area of research interest based on the analysis of the literature.</p> <p>Setting the topic of the doctoral thesis.</p> <p>Semester II-VII</p> <p>Defining the purpose of the research and research hypotheses.</p> <p>Agreeing on the research methodology.</p> <p>Completing a full application to a bioethics committee.</p> <p>Detailed development of the various stages of the doctoral dissertation:</p> <ul style="list-style-type: none"> - Preparation of an introductory chapter to the doctoral dissertation, theoretical issues, - Preparation of a chapter describing the purpose of the work and the hypotheses, - Preparation of a chapter describing the studied material and methods, - Preparation of a chapter related to the discussion of the results, - Development of a detailed discussion based on the collected literature, - Formulation of conclusions resulting from the work, - Correct citation and editing of the literature. <p>Formatting in accordance with the accepted principles of the doctoral dissertation.</p> <p>Assessment of the doctoral dissertation in the anti-plagiarism system.</p> <p>Preparation for presenting research results.</p> <p>Preparation of an article for publication .</p>						
COURSE ASSESSMENT CRITERIA						
The student successfully completes the course if he/she participates in the seminar, i.e. asks questions and engages in the discussion relevant to the doctoral dissertation. The assessment takes into account the doctoral student's progress in preparing his/her doctoral dissertation and in the other activities leading to the learning outcomes defined in the syllabus for the course, i.e. application to the bioethics committee, documents confirming various forms of scientific activity (including abstracts, certificates of participation in conferences, publications).						
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	105 (15 hours per semester, during 7 semesters)
Other contact hours involving the teacher (consultation hours, examinations)	14 (2 hours per semester)
Non-contact hours – student`s own work (preparation for classes or examinations, project, etc.)	280 (40 hours per semester)
Total number of hours	399
Total number of ECTS credits	14
INSTRUCTIONAL MATERIALS	
Compulsory literature:	<ol style="list-style-type: none"> 1. Radomski D., Grzanka A. Metodologia badan naukowych w medycynie. Poznań, Wydawnictwo Naukowe Uniwersytetu Medycznego, 2011. 2. Dwiliński L.: Podstawy naukowych badań. Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa 2009.
Complementary literature:	<ol style="list-style-type: none"> 1. Boncler M., Różalski M., Watała C. Badania i publikacje w naukach biomedycznych Tom 1, Alfa-Medica Press 2011 2. Boncler M., Watała C., Różalski M. Badania i publikacje w naukach biomedycznych Tom 2, Alfa-Medica Press 2011 3. Jędrychowski W.: Zasady planowania i prowadzenia badań naukowych. Wyd. Uniwersytetu Jagiellońskiego, Kraków 2004.

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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