

**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, the doctoral student of the doctoral school has knowledge, skills and social competencies from the completed level 7 of the Polish Qualification Framework.		
BRIEF DESCRIPTION OF COURSE (100-200 words)				
The doctoral seminar is designed to prepare the doctoral student to: conduct scientific research, formulate objectives, research questions and hypotheses, systematize current knowledge of the subject of the doctoral dissertation, deepen knowledge, skills and social competencies necessary to design research in the discipline of health sciences, discuss and acquire skills to draw conclusions from scientific research, analyze domestic and foreign literature, write scientific papers, participate in scientific meetings, write a 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 that it is possible to revise existing paradigms - world achievements, including theoretical foundations and general issues and selected specific issues - relevant to the scientific discipline of health sciences health sciences.	P8S_WG1	Seminar	Discussion, defining the assumptions and the design of the doctoral dissertation - the theoretical part - semester I and II
2.	Directions of development and recent discoveries in the scientific discipline of health sciences and related disciplines, current scientific achievements including worldwide, in the field of research in the area of the discipline chosen by the doctoral student.	P8S_WG2	Seminar	Discussion, defining the assumptions and the design of the doctoral dissertation - the theoretical part - semester I and II
3.	Conceptual grid of the discipline of health sciences and related disciplines also in the foreign language leading for it.	P8S_WG3	Seminar	Discussion, defining the assumptions and the design

				of the doctoral dissertation - the theoretical part - semester I and II
<b>Skills (no.)</b>	<b>(Able to)</b>			
1.	Use interdisciplinary knowledge to creatively identify and innovatively solve complex problems or perform tasks of a research nature, and in particular: define the purpose and object of scientific research, formulate a research hypothesis, develop research methods, techniques and tools and creatively apply them, is able to make conclusions based on the results 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.	Select and use the scientific literature to identify and solve research problems and those related to related to innovation activities, as well as use the appropriate workshop to create new elements of this body of work.	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 critical analysis and evaluate the results of scientific research, expert activities and other research work, and give an opinion on 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.	Speak a foreign language leading for the discipline of health sciences and related disciplines at the B2 level of the European Language Education System,	P8S_UK6	Seminar	Discussion, preparation of the doctoral dissertation - the research

	to a degree that allows active participation in the international scientific and professional environment and professional environment.			part, preparation of a research project, preparation of an article for publication, activity related to conferences - semester II-VII
<b>Social competence (no.)</b>	<b>(Ready to)</b>			
1.	Critically evaluate the achievements within the scientific discipline of health sciences.	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 7 x 15 hrs. – 105 hrs.	14

#### METHODS OF INSTRUCTION

Discussion, analysis of literature, preparation of a multimedia presentation, individual work.

#### COURSE CONTENT

Semester I

Literature analysis.

Selection of the area of research interest on the basis of literature analysis.

Determination of the dissertation topic.

Semester II-VII

Determination of the research objective and research hypotheses.

Agreeing on the research methodology.

Drafting a full proposal to the bioethics committee.

Detailed development of the various stages of the dissertation:

- Preparation of the chapter introducing the dissertation, theoretical issues,
- Preparation of a chapter describing the purpose of the dissertation and hypotheses,
- Preparation of a chapter describing the studied material and methods,
- Preparation of a chapter on the discussion of the results,
- Preparation of a detailed discussion based on the collected literature,
- Formulation of conclusions resulting from the work,
- Proper citation and editing of the literature.

Formatting the dissertation according to the accepted rules.

Evaluation of the dissertation in the anti-plagiarism system.

Preparation for presentation of research results.

Preparation of scientific publications.

#### COURSE ASSESSMENT CRITERIA

A prerequisite for passing with a grade after each semester is active participation in the seminar involving questions and substantive discussion of the dissertation. Evaluation of the doctoral student's progress in preparing the dissertation and realization of other activities related to the related to the realization of the learning outcomes planned in the syllabus for the subject, i.e. application to the

bioethics committee, documents confirming various forms of scientific activity (including abstracts, certificates of participation in conferences, publications).

Possible semester grades are: 2.0, 3.0, 3.5, 4.0, 4.5, 5.0.

**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 hrs. (15 hours per semester, during 7 semesters)
Other contact hours involving the teacher (consultation hours, examinations)	14 hrs. (2 hours per semester)
Non-contact hours – student`s own work (preparation for classes or examinations, project, etc.)	301 hrs (43 hours per semester)
<b>Total number of hours</b>	420 hrs
<b>Total number of ECTS credits*</b>	14

**INSTRUCTIONAL MATERIALS**

Compulsory literature:	1. Radomski D., Grzanka A. Methodology of scientific research in medicine. Poznan, Scientific Publishing House of the Medical University, 2011. 2. Dwiliński L.: Fundamentals of scientific research. Oficyna Wydawnicza Politechniki Warszawskiej, Warsaw, 2009.
Complementary literature:	1. Boncler M., Różalski M., Watala C. Research and publications in biomedical sciences Volume 1, Alfa-Medica Press 2011. 2. Boncler M., Watala C., Różalski M. Research and publications in biomedical sciences Volume 2, Alfa-Medica Press 2011 3. 3. Jedrychowski W.: Principles of planning and conducting scientific research. Jagiellonian University Publishing House, Krakow 2004.

\*(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