

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

GENERAL INFORMATION ABOUT COURSE	
Course title	Doctoral Laboratory
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/ semestr I-II
Discipline	Medical Sciences
Language of Course	Polish
Name of Course coordinator	Prof. dr hab. n. med. Dorota Darmochwał-Kolarz
Name of Course lecturer	Prof. dr hab. n. med. Dorota Darmochwał-Kolarz
Prerequisites	Oral report on the implementation of writing a doctoral dissertation
BRIEF DESCRIPTION OF COURSE (100-200 words)	
<p>Individual consultations in the form of regular, cyclical meetings with a research supervisor devoted to the work on the doctoral dissertation.</p> <ul style="list-style-type: none"> • The aim of the classes is to plan and determine the methodological preparation for writing a doctoral dissertation, as well as to discuss the prospects for further plans for scientific development. • Handling information and effective use of technological information technology: principles of citation, selection of literature. • Discussion of intensive obstetric surveillance in pregnancies complicated by intrauterine fetal growth restriction • Assessment of growth potential in pregnancies seen for intrauterine growth restriction. • Analysis of the Doppler ultrasound examination in the assessment of the intrauterine condition of the fetus. • Analysis of the performance and interpretation of cardiotocographic examination in the evaluation of the intrauterine condition of the fetus. <p>Methods of conducting classes:</p> <ul style="list-style-type: none"> • Written report • Oral presentations • Discussion panel <p>Objectives and aims of the course:</p> <ul style="list-style-type: none"> • Assessment of the progress of the research work constituting the basis of the doctoral dissertation: • Developing detailed knowledge in the area of research forming the basis of a doctoral dissertation • Developing the general knowledge of the discipline of medicine and medical biology • Teaching practice - oral presentation, evaluation of other doctoral students' presentations, participation in the discussion as a speaker and listener 	

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)					
I	Context - conditions and effects	The aim of the classes is to plan and determine the methodological preparation for writing a doctoral dissertation P8S_WG/1 P8S_WG/2 P8S_WG/3 P8S_WG/4	Seminar	Discussion, multimedia presentation		
Skills (no.)	(Able to)					
I	Communication - receiving and creating statements, disseminating knowledge in the scientific community and using a foreign language	P8S-UK / 4 To participate in the scientific discourse P8S_UW/1 P8S_UW/2 P8S_UW/3	Seminar	Discussion, multimedia presentation		
Social competence (no.)	(Ready to)					
I	Professional role - responsibility and ethos development	P8S-KR Maintaining and developing the ethos of research and creative communities, including: - conducting scientific activities in an independent manner - respecting the principle of public ownership of the results of scientific activity, taking into account the principles of intellectual property protection	Seminar	Discussion, multimedia presentation		
LEARNING FORMAT – NUMBER OF HOURS						
Semester (no.)	Lectures	Seminars	Lab classes	Internships	others	ECTS

I and II	–	–	–	–	60	6
METHODS OF INSTRUCTION						
Discussion panel, multimedia presentation, own work						
COURSE CONTENT						
<p>Plan of the doctoral workshop:</p> <ul style="list-style-type: none"> • The aim of the classes is to plan and determine the methodological preparation for writing a doctoral dissertation, as well as to discuss the prospects for further plans for scientific development. • Handling information and effective use of technological information technology: principles of citation, selection of literature. • Discussion of intensive obstetric surveillance in pregnancies complicated by intrauterine growth restriction. • Assessment of growth potential in pregnancies seen for intrauterine growth restriction. • Analysis of the Doppler ultrasound examination (vascular flow) in the assessment of the intrauterine condition of the fetus. • Analysis of the performance and interpretation of cardiotocographic examination in the evaluation of the intrauterine condition of the fetus. 						
COURSE ASSESSMENT CRITERIA						
The pass mark is an active participation in the seminar consisting in asking questions and conducting a substantive discussion on the presentation of the research results presented during the seminar.						
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					60	
Other contact hours involving the teacher (consultation hours, examinations)					–	
Non-contact hours – student's own work (preparation for classes or examinations, project, etc.)						
Total number of hours					60	
Total number of ECTS credits					6	
INSTRUCTIONAL MATERIALS						

Compulsory literature:	<ol style="list-style-type: none"> 1. Kwiatkowski S, Torbe A, Borowski D i WSP. Polish Society of Gynecologists and Obstetricians Recommendations on diagnosis and management of fetal growth restriction. <i>Ginekologia i Perinatologia Praktyczna</i> 2020; 5(3): 119–130. 2. Pietryga M, Borowski D, Brązert J, et al. Rekomendacje Sekcji Ultrasonografii Polskiego Towarzystwa Ginekologicznego w zakresie przesiewowej diagnostyki ultrasonograficznej w ciąży o przebiegu - 2015r. <i>Ginekol Pol.</i> 2015; 86(7): 551–559. 3. Ego A, Zeitlin J, Batailler P i wsp. Stillbirth classification in population-based data and role of fetal growth restriction: the example of RECODE. <i>BMC Pregnancy Childbirth.</i> 2013; 13: 182
Complementary literature:	<ol style="list-style-type: none"> 1. Kajdy A, Modzelewski J, Jakubiak M, et al. Effect of antenatal detection of small-for-gestational-age newborns in a risk stratified retrospective cohort. <i>PLoS One.</i> 2019; 14(10): e0224553. 2. Wojtyła A, Goździewska M, Paprzycki P, et al. Tobacco-related Foetal Origin of Adult Diseases Hypothesis--population studies in Poland. <i>Ann Agric Environ Med.</i> 2012; 19(1): 117–128.