

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

<b>GENERAL INFORMATION ABOUT COURSE</b>				
Course title	Doctoral laboratory			
Name of the unit running the course	Doctoral School at the University of Rzeszów			
Type of course ( <i>obligatory, optional</i> )	Obligatory			
Year and semester of studies	I year 2022/2023: semesters I, II; II year 2023/2024: semesters III and IV; III year 2024/2025: semesters V, VI; IV year 2025/2026: semesters VII, VIII.			
Discipline	Economics and Finance			
Language of Course	Polish			
Name of Course coordinator				
Name of Course lecturer	Katarzyna Szara PhD, Associate profesor			
Prerequisites	Knowledge of the theory of economics within the scope provided for in the curriculum of economic studies.			
<b>BRIEF DESCRIPTION OF COURSE (100-200 words)</b>				
<p>The contents of the course include the methodology of economic research and preparation for independent economic research.</p> <p>The aim of the course is to familiarize students with the diversity of research problems in the field of economic sciences (economics, finance and management), the issues of selecting research methods and techniques to the essence of the problem under consideration.</p> <p>The aim was also to develop the knowledge and skills necessary to design economic research, collect empirical materials, process them using various methods of analysis and present the results of economic research and inference.</p> <p>Familiarizing students with the variety of ways and methods of researching socio-economic phenomena and processes resulting from their stochastic nature, as well as their complexity and changeability over time. The classes are also intended to help students acquire the skills of presenting their own research results, conducting discussions and articulating and defending their own views.</p>				
<b>COURSE LEARNING OUTCOMES AND METHODS OF EVALUATING LEARNING OUTCOMES</b>				
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,...)
<b>Knowledge (no.)</b>	<b>(Knows and understands)</b>			
1.	achievements, including theoretical foundations as well as general issues and selected specific issues - appropriate for the scientific discipline of economics and finance.	P8S_WG1	Colloquia	Report
2.	directions of development and the latest discoveries in the discipline of economics and finance, current scientific achievements, including global, in the field of research in the field of the discipline.	P8S_WG2	Colloquia	Report
3.	conceptual grid of the discipline of economics and finance and	P8S_WG3	Colloquia	Report

	related disciplines.			
4.	methodology of scientific research, including the principles of research planning and implementation using interdisciplinary research techniques and tools.	P8S_WG4	Colloquia	Report
<b>Skills (no.)</b>	<b>(Able to)</b>			
5.	use knowledge from various fields of science to creatively identify and innovatively solve complex problems or perform research tasks, and in particular: –define the purpose and subject of scientific research, formulate a research hypothesis, –develop research methods, techniques and tools and apply them creatively, –draw conclusions based on research scientific.	P8S_UW1	Colloquia	Report
6.	use scientific literature to identify and solve research problems and problems related to innovative activity, as well as use the appropriate workshop to create new elements of this achievement.	P8S_UW2	Colloquia	Report
7.	perform a critical analysis and evaluation of the results of scientific research, expert activity and other works of a creative nature and their contribution to the development of knowledge.	P8S_UW3	Colloquia	Report
<b>Social competence (no.)</b>	<b>(Ready to)</b>			
8.	critical assessment of achievements within a given scientific discipline.	P8S_KK1	Colloquia	Report

#### LEARNING FORMAT – NUMBER OF HOURS

Semester (no.)	Lectures	Seminars	Lab classes	Internships	others	ECTS
I, II, III, IV, V, VI, VII, VIII					Seminar 240 hours	24

#### METHODS OF INSTRUCTION

- guided discussion,
- analysis and interpretation of source texts,
- data analysis of public and economic statistics,
- formulating research problems, organizing and conducting empirical research,
- case studies,
- presentation of own statistical analyzes and primary research results.

<b>COURSE CONTENT</b>	
<p>Introduction to the methodology of economics.  Types of scientific problem solving methods.  The role of methodology in the development of economic research.  Contemporary trends in economics and finance and their methodological apparatus.  Methodological problems of economic research - the structure of the cognitive process. Stages of planning the research process. Formulating the research problem, making hypotheses, defining the research goal.  Principles of developing a literature review and source materials.  Characteristics of selected methods, techniques and tools of empirical research.  Statistical methods in economic sciences.  Public and economic statistics as a source of empirical data.  Development of a research tool adequate to the issues being pursued.  Presentation of the results of own research in the socio-economic sphere.  Editing texts and scientific papers in the field of economic sciences.</p>	
<b>COURSE ASSESSMENT CRITERIA</b>	
<p>The basic criterion for passing the course is the assessment of progress in the preparation of the doctoral dissertation and the implementation of other activities related to the learning outcomes planned in the syllabus. A positive assessment depends on the student's mastery of the curriculum content to at least the following degree:- 55% (3,0); 65 % (3,5); 75% (4,0); 85% (4,5); 95% (5,0).</p>	
<b>TOTAL PhD STUDENT WORKLOAD REQUIRED TO ACHIEVE THE INTENDED LEARNING OUTCOMES – NUMBER OF HOURS AND ECTS CREDITS</b>	
Activity	Number of hours
Scheduled course contact hours	240
Other contact hours involving the teacher (consultation hours, examinations)	24
Non-contact hours – student`s own work (preparation for classes or examinations, project, etc.)	336
<b>Total number of hours</b>	600
<b>Total number of ECTS credits</b>	24
<b>INSTRUCTIONAL MATERIALS</b>	
Compulsory literature:	Blaug M., Methodology of Economics, WN PWN, Warsaw 1995. Stachak S., Fundamentals of the methodology of economic sciences, Book and Knowledge, Warsaw 2006.
Complementary literature:	Adamkiewicz-Drwiłło HG, Contemporary methodology of economic sciences, House of the Organizer TNOiK, Toruń 2008. Balicki W., Lectures on the methodology of economic sciences. ed. WSB University in Poznań. Poznań 2002. Sedlacek T., Orrell D., The Twilight of Homo Economicus, Studio EMKA Publishing House, Warsaw 2012. Publications in the scope dictated by the subject of scientific research.

.....  
Date and signature of the Course lecturer

.....  
Approved by the Head of the Department or an authorised person