

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

GENERAL INFORMATION ABOUT COURSE				
Course title	Raising funds for research and managing research projects			
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	1-st year, second semester			
Discipline	General course for all disciplines			
Language of Course	Polish			
Name of Course coordinator	Maciej Wnuk, Ph.D. D. Sc. Associate professor			
Name of Course lecturer	Maciej Wnuk, Ph.D. D. Sc. Associate professor			
Prerequisites	General knowledge in the field of research methodology, research ethics, knowledge of databases, and the principles of bibliometrics.			
BRIEF DESCRIPTION OF COURSE (100-200 words)				
<p>The aim of course is to prepare the Ph.D student to actively seek information on the possibilities of financing his own research activities from domestic and foreign funds and to prepare a grant application independently. During the course, the basic legal aspects of science the principles of financing science in Poland, as well as domestic and selected foreign research funding institutions, are discussed. In particular, during the course, the principles of preparing an application are discussed, including the preparation of a research plan, risk analysis, and cost estimate, as well as the principles of implementing scientific projects, including issues related to data archiving and ethical issues.</p> <p>An additional aspect discussed during the course is the preparation of infrastructural, research, and development applications as well as applications for research scholarships and research internships</p>				
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)			
AG_W1	The doctoral student is able to use knowledge from various fields of science or the field of art to creative identification and innovative solution of complex problems or performing research tasks and preparing a scientific project application	P8S_UW1	Colloquia	project
Skills (no.)	(Able to)			
AG_U1	The ability to identify an appropriate program for financing one's own research activity in domestic and foreign institutions	P8S_UO1	Colloquia	project
AG_U2	Ability to prepare a grant	P8S_UO2	Colloquia	project

	application					
Social competence (no.)	(Ready to)					
AG_KS1	Development of self-awareness to improve one's scientific competences based on funds obtained from external institutions	P8S_KK3	Colloquia	discussion		
LEARNING FORMAT – NUMBER OF HOURS						
Semester (no.)	Lectures	Seminars	Lab classes	Internships	others	ECTS
II	—	12	—	—	—	1
METHODS OF INSTRUCTION						
A problem solving lecture, discussion/project work						
COURSE CONTENT						
<ul style="list-style-type: none"> • Overview of the provisions contained in the following documents: Act on the principles of financing science, Strategy for Responsible Development until 2020 with a perspective until 2030, the National Smart Specializations, National Research Program. The assumptions of the state's scientific, technical, and innovative policy from 2011 (additionally for the field of medical sciences and health sciences: National Health Program 2016-2020, National Program Against Cancer Diseases for 2016-2024, State Pharmaceutical Policy 2018-2022) • Overview of institutions and selected national programs financing science (<i>the official Polish acronym of short name of institution</i>: MEiN, NAWA, NCN, NCBiR, FNP, FPN, ABM, PCI) • Overview of institutions and selected foreign programs financing science (European Commission programs: European Research Council, Horizon2020, Polish-U.S. Fulbright Commission, and others dedicated to specific areas • Overview of the rules for preparing the application of a grant application, principles of project evaluation, and settlement. Discussion of the principles of preparation of the grant application from the formal and substantive side, in particular, the principles of project risk analysis, preparation of the cost estimate, scheduling, ethical issues, and data management • Overview of the rules for preparing infrastructure grant from the Ministry of Science and Higher Education of the Republic of Poland , • Overview of the rules for preparing research and development grants according to The National Centre for Research and Development (NCBiR) and National Science Center (NCN) programs • Overview of the rules for preparing application research projects for young scientists at UR 						
COURSE ASSESSMENT CRITERIA						
Preparation of assigned written works on particular aspects discussed during the classes.						
Preparation of the Preludium grant application in English according to the NCN form in English with a grade of 5.0 for those who fill in the form in all fields rating 4.5 for people who fill out the form without the section on ethical statements and issues Assessment 4.0 for people who fill out the form without the department, statements and ethical issues, cost estimate 3.5 grade for people who fill out the form without the section, statements and ethical issues, cost estimate, survey of the PhD thesis supervisor achievements Grade 3.0 for people who fill out the form without the department, statements and ethical issues, cost estimate, promoter's questionnaire, full description						
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	12
Other contact hours involving the teacher (consultation hours, examinations)	5
Non-contact hours – student`s own work (preparation for classes or examinations, project, etc.)	13
Total number of hours	30
Total number of ECTS credits	1
INSTRUCTIONAL MATERIALS	
Compulsory literature:	
Complementary literature:	

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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