

A COURSE SYLLABUS – DOCTORAL SCHOOL
REGARDING THE QUALIFICATION CYCLE FROM 2001 TO 2022

GENERAL INFORMATION ABOUT COURSE				
Course title	Grant applications			
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	Prof. Marta Połtowicz-Bobak, Ph.D. D. Sc. 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. Knowledge of the basic legal acts in force in the field of industrial and intellectual property protection.			
BRIEF DESCRIPTION OF COURSE (100-200 words)				
<p>The aim of course is to prepare the Ph.DPh.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, etc.).
Knowledge (no.)				
AG_W1	Knowledge of the legal basis and principles of financing science in the Republic of Poland as well as the principles of implementing and accounting for scientific projects	P8S-WG/4	Seminars	Essay
AG_W2	Knowledge of science-related strategic documents	P8S-WK/3	Seminars	Essay
AG_W3	Knowledge of domestic and foreign programs and financing institutions	P8S-WK/3	Seminars	Essay
Skills (no.)				
AG_U1	The ability to identify an	P8S-UW/1	Konwersatoria	Essay

	appropriate program for financing one's own research activity in domestic and foreign institutions			
AG_U2	Ability to prepare a grant application	P8S-UW/3	Seminars	project
AG_U6	Ability to rationally plan costs and scope of work	P8S-UW/3	Seminars	project
AG_U3	Ability to understand the competition documentation and to prepare a grant application in a foreign language	P8S-UK/5	Seminars	project
AG_U4	Ability to select members of the research team, including international personnel, for the purposes of the research plan	P8S-UO	Seminars	project
AG_U5	Raising awareness of the role of internationalization of science and researcher mobility	P8S-UO	Seminars	discussion
AG_U6	Ability to rationally plan costs and scope of work	P8S-UW/3	Seminars	project
Social competence (no.)				
AG_KS1	Development of self-awareness to improve one's scientific competences based on funds obtained from external institutions	P8S-KO/3	konwersatoria	discussion

LEARNING FORMAT – NUMBER OF HOURS

Semester (no.)	Lectures	Seminars	Lab Classes	Internships	others	ECTS
II	—	15	—	—	—	0

METHODS OF INSTRUCTION

E.g., LECTURE: A PROBLEM-SOLVING LECTURE/A LECTURE SUPPORTED BY A MULTIMEDIA PRESENTATION/ DISTANCE LEARNING CLASSES: TEXT ANALYSIS AND DISCUSSION/PROJECT WORK (RESEARCH PROJECT, IMPLEMENTATION PROJECT, PRACTICAL PROJECT)/ GROUP WORK (PROBLEM SOLVING, CASE STUDY, DISCUSSION)/DIDACTIC GAMES/ DISTANCE LEARNING LABORATORY CLASSES: DESIGNING AND CONDUCTING EXPERIMENTS)

A problem solving lecture, discussion/project work

COURSE CONTENT

1. Lectures/ Seminars:

- 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 (*the official Polish acronym of short name of institution*: 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 promoter's 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	15
Other contact hours involving the teacher (consultation hours, examinations)	
Non-contact hours - students own work (preparation for classes or examinations, project, etc.)	15
Total number of hours	
Total number of ECTS credits	0

INSTRUCTIONAL MATERIALS

Compulsory literature:	websites of research funding institutions
Complementary literature:	