A COURSE SYLLABUS – DOCTORAL SCHOOL
REGARDING THE QUALIFICATION CYCLE FROM 2024/2025 TO 2027/2028

GENERAL INFORMATION ABOUT COURSE	
Course title	**Information sources and information management**
Name of the unit running the course	**Doctoral School at University of Rzeszów**
Type of course *(obligatory, optional)*	obligatory
Year and semester of studies	year II/III semester
Discipline	science and natural sciences, science agricultural, science medical and science health sciences.
Language of Course	polish
Name of Course coordinator	**dr. inż. Anna Deręgowska**
Name of Course lecturer	**dr. inż. Anna Deręgowska**
Prerequisites	basic knowledge in the use of scientific sources of information

BRIEF DESCRIPTION OF COURSE (100-200 words)
The research process can be effectively supported through the skillful use of information sources. The aim of the course is to analyze sources of information for research and scientific publications. Issues discussed will include types of information sources, bibliometric tools and literature management tools, as well as their usefulness during research.

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	Knows and defines various types of scientific sources used within their discipline and related disciplines;	**P8S_WG3**	conversatory	project
2	Knows the principles of conducting scientific research, including research planning and implementation based on current literature;	**P8S_WG4**	conversatory	project
Skills (no.)	**(Able to)**			
1	Is able to use current scientific literature relevant to the topic of work;	**P8S_UW2**	conversatory	project
2	Is able to critically analyze and evaluate the results of scientific research;	**P8S_UW3**	conversatory	project
3	Has the ability to conduct research tasks based on foreign literature;	**P8S_UK6**	conversatory	project
Social competence (no.)	**(Ready to)**			

1	Is ready to solve research problems using current sources of scientific information;	**P8S_KK3**	conversatory	observation during classes

LEARNING FORMAT – NUMBER OF HOURS

Semester (no.)	Lectures	Seminars	Lab classes	Internships	others	ECTS
3	-	-	-	-	4	1

METHODS OF INSTRUCTION

Presentation, conversation classes in a traditional form, group discussion, project.

COURSE CONTENT

Information management in scientific work;
Databases – domestic and foreign;
Bibliometric tools and indicators;
Literature management tools;
Introduction to the topic of the final project.

COURSE ASSESSMENT CRITERIA

Project: proposing an introduction to a scientific publication related to the topic of the PhD thesis — introduction to the topic with figures and a list of sources. The assessment covers the selection of sources (5) and the correctness of references to literature (5), the method of preparing the bibliography (5), stylistic correctness and the overall impression of the presentation (5).
5.0 18-20 points.
4.5 16-17 points.
4.0 14-15 points.
3.5 12-13 points.
3.0 11 points.
2.0 <11 points.

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	4 hrs.
Other contact hours involving the teacher (consultation hours, examinations)	1 hrs.
Non-contact hours – student`s own work (preparation for classes or examinations, project, etc.)	25 hrs.
Total number of hours	30 hrs.
Total number of ECTS credits*	1

INSTRUCTIONAL MATERIALS

Compulsory literature:	Material discussed during conversation classes.
Complementary literature:	1. The current list of journals scored by MEiN 2. User manuals for database systems 3. Order no 164/2023 of the Rector of the Rzeszow University of 29 November 2023 on AI 4. P. Nowak: Bibliometria, webometria: podstawy, wybrane zastosowania. Wyd. 2 popr. Poznań: Wydawnictwo Naukowe UAM, 2008.

*(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