

A COURSE SYLLABUS – DOCTORAL SCHOOL

regarding the qualification cycle from 2023/2024 to 2026/2027

GENERAL INFORMATION ABOUT COURSE				
Course title	CREATION OF SCIENTIFIC TEXTS			
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, semester 3 (winter)			
Discipline	interdisciplinary			
Language of Course	Polish language			
Name of Course coordinator	dr. hab. inż. Tomasz Piechowiak, prof. UR			
Name of Course lecturer	dr. hab. inż. Tomasz Piechowiak, prof. UR			
Prerequisites	The ability to search scientific literature and to collect and interpret research results. Knowledge of a foreign language at B2 level.			
BRIEF DESCRIPTION OF COURSE (100-200 words)				
The aim of the course is for the student to acquire the skills necessary for the correct preparation of written forms of scientific communication, i.e. an article presenting the results of one's own experimental work, a review article, a popular science article, a doctoral dissertation and an abstract for a scientific conference. During the course, the principles of creating individual components of a scientific text (abstract, introduction, methodology, research results, discussion, conclusions and bibliography), ways of presenting one's own research results and determinants of the choice of tools and techniques supporting the process of writing a scientific paper (tools for statistical data processing, creation of graphics and bibliography) will be discussed, as well as ethical aspects directly related to the process of creating scientific articles and the publishing process. A prerequisite for passing the course is the writing of an article to be submitted to a selected scientific journal.				
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			
P8S_WG2	The doctoral student has knowledge of the directions of development and the latest discoveries, including world ones, in the selected scientific discipline.	P8S_WG	exercises	written work - preparation of a scientific article
Skills (no.)	able to			
P8S_UK2	The student is able to prepare a scientific article, a monograph or a popular science article in the field of the chosen discipline in Polish and in a foreign language. catalogue, an artistic monograph, a critical text	P8S_UK	exercises	written work - preparation of a scientific article

	in the field of a given scientific discipline in Polish and a foreign language.					
P8S_UK/6	Using a foreign language at B2 level of the Common European Framework of Reference for Languages, the PhD student is able to speak in public to present the results of his/her scientific research and to participate in the discussion of scientific and professional issues in an international environment.			P8S_UK	exercises	written work - preparation of a scientific article;
Social competence (no.)	ready to					
P8S_KK	Is ready to is ready to critically appraise other scientific publications in the field of the selected discipline.			P8S_KK	exercises	written work - preparation of a scientific article
Semester (no.)	Lectures	Seminars	Conversatory / Lab classes	Internships	others	ECTS
3	-	6	-	-	-	1

METHODS OF INSTRUCTION

MULTIMEDIA PRESENTATION, DISCUSSION, PREPARATION OF A SCIENTIFIC TEXT BY THE DOCTORAL STUDENT.

COURSE CONTENT

- Principles and guidelines for the preparation of a research article, review article, popular science article and dissertation.
- Proper structure of a scientific text.
- Ways of presenting research results.
- Techniques and tools of statistical data processing.
- Tools to support the process of editing scientific articles.
- Scientific journals.

COURSE ASSESSMENT CRITERIA

Credit is given in a written form. A prerequisite for credit is the writing of a research or review article in which the course participant will be the first author.

- Grading criteria:

5.0 - the doctoral student's paper contains all, correctly prepared elements of a scientific article (keywords, abstract, graphical summary, introduction, materials and methods, research results, discussion, conclusions, bibliography, declaration of conflict of interest and source of funding);

4.5 - the doctoral student's thesis does not contain 1 element of the scientific article or it is incorrect;

4.0 - the doctoral student's thesis does not contain 2 elements of the article or they are incorrect;

3.5 - doctoral student's thesis does not contain 3 elements of the article or they are incorrect;

3.0 - doctoral dissertation does not contain 4 elements of the article or they are incorrect;

2.0 - the doctoral student's work does not meet the requirements of a scientific article.

- Active attendance in class may increase the grade by half a grade.

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	6
Other contact hours involving the teacher (consultation hours, examinations)	4
Non-contact hours – student's own work (preparation for classes or examinations, project, etc.)	20
Total number of hours	30
Total number of ECTS credits*	1
INSTRUCTIONAL MATERIALS	
Compulsory literature:	Stępień B: Principles of writing scientific texts. PWN, Warsaw 2016.
Complementary literature:	Foreign scientific articles related to scientific discipline.

*(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