

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

GENERAL INFORMATION ABOUT COURSE				
Course title	Public speaking			
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	II/III			
Discipline	Physics			
Language of Course	Polish/English			
Name of Course coordinator	dr hab. David Aebisher, prof. UR			
Name of Course lecturer	dr hab. David Aebisher, prof. UR dr hab. Andrzej Wal, prof. UR			
Prerequisites	Computer skills			
BRIEF DESCRIPTION OF COURSE (100-200 words)				
<p>The aim of the course is to prepare a conference presentation in English, both in the form of a multimedia presentation and a poster. The course program covers theoretical issues in the area of effective scientific communication supported by visual presentations and practical principles relating to the preparation of multimedia presentations and posters using computer software. Individual stages of preparing slides, their content, number and graphic form will be discussed and practiced. Topics covered will also include issues related to individual stages of presenting results: starting the speech, presenting the plan of the speech, discussing data in tables and charts, summarizing the speech. Similar topics will also be discussed in relation to posters. Computer programs supporting the preparation of presentations and posters, as well as issues related to the protection of intellectual property, will also be presented.</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)			
K1	world achievements in the field of photodynamic therapy to an extent that allows for discussion, including justification of the presented theses	P8S_WG1	Practical classes	preparation of presentation
Skills (no.)	(Able to)			
S1	present the results of the conducted research	P8S_UK1	Practical classes	preparation of speech
S2	present research results in the form of a speech and poster and conduct a discussion regarding these results	P8S_UK3, P8S_UK4, P8S_UK5	Practical classes	discussion
S3	present research results in English	P8S_UK6	Practical classes	discussion
Social competence (no.)	(Ready to)			

SC1	sharing their research results while maintaining the principles of intellectual property protection	P8S_KR1	Practical classes	preparation of poster		
LEARNING FORMAT – NUMBER OF HOURS						
Semester (no.)	Lectures	Seminars	Lab classes	Internships	Practical classes	ECTS
III					6	1
METHODS OF INSTRUCTION						
discussion, using computer programs						
COURSE CONTENT						
<ol style="list-style-type: none"> 1. Scientific article and public speaking – differences and similarities. 2. Rules for preparing an oral presentation and a poster increasing the efficiency of transferring research results. 3. Preparation of a multimedia presentation and poster using computer programs. 4. Principles of intellectual property protection related to the preparation of a presentation and poster. 						
COURSE ASSESSMENT CRITERIA						
Preparation of a presentation and poster related to the research topic.						
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)			2			
Non-contact hours – student`s own work (preparation for classes or examinations, project, etc.)			18			
Total number of hours			26			
Total number of ECTS credits			1			
INSTRUCTIONAL MATERIALS						
Compulsory literature:	<ol style="list-style-type: none"> 1. Prezentacje multimedialne w wystąpieniach naukowych, (red.) Mariolia Antczak, Wydawnictwo Uniwersytetu Śląskiego, 2023 2. P. Wasylczyk, Prezentacje naukowe: praktyczny poradnik, PWN, Warszawa 2017. 3. M. Guest, Conferencing and Presentation English for Young Academics, Singapore: Springer Singapore 2018. 					
Complementary literature:	<ol style="list-style-type: none"> 1. D. Carnegie i K. Krzyżanowski, Sztuka komunikacji w drodze do sukcesu. Gliwice: Sensus, 2022. 2. J. Giba i R. Ribes, Preparing and Delivering Scientific Presentations. Berlin, Heidelberg: Springer Berlin Heidelberg, 2011. 					