

**A COURSE SYLLABUS – DOCTORAL SCHOOL**  
regarding the qualification cycle from 2024/2025 TO 2027/2028

<b>GENERAL INFORMATION ABOUT COURSE</b>				
Course title	<b>SCIENTIFIC CONFERENCE/ EXHIBITION/ CONTRIBUTION</b>			
Name of the unit running the course	Doctoral School at University of Rzeszów			
Type of course ( <i>obligatory, optional</i> )	compulsory subject			
Year and semester of studies	year II, semester IV, year III, semester VI			
Discipline	<b>Physics</b>			
Language of Course	Polish language			
Name of Course coordinator	<b>Dr Rafał Hakalla, Professor at the University of Rzeszów</b>			
Name of Course lecturer	<b>Dr Rafał Hakalla, Professor at the University of Rzeszów</b>			
Prerequisites	Scope of knowledge, skills and social competences resulting from completing higher education. Knowledge of English at B2 CEFR level, with a focus on specialist vocabulary.			
<b>BRIEF DESCRIPTION OF COURSE</b> (100-200 words)				
<p>The aim of the course entitled 'Scientific conference/exhibition/performance' is to prepare doctoral students to actively participate in national and international scientific community events. One of the key elements of a researcher's work, apart from conducting scientific research, is to publish the results of their research, both in the form of articles or monographs, as well as in the form of public presentations at conferences, symposia and scientific congresses among experts. Participation in scientific conferences and public appearances also involves the ability to lead discussions on the scientific research being conducted, the research results obtained, as well as methodological or conceptual limitations. These elements are essential for the development of every scientist. As part of the course, doctoral students will improve, among other things, their presentation skills, their public speaking skills, and the way they present the results of their own research. At the same time, the content presented by the doctoral student will be subject to broader discussion in order to identify opportunities for initiating scientific debate and conducting a broader scientific discourse related to the discipline of Physics and the subject of the doctoral student's research, including in a foreign language.</p>				
<b>COURSE LEARNING OUTCOMES AND METHODS OF EVALUATING LEARNING OUTCOMES</b>				
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,...)
<b>Knowledge (no.)</b>	knows and understands, has knowledge			
<b>P8S_WG2</b>	Has extensive knowledge of the latest global research achievements and the direction of transformation in the discipline of Physics, particularly in areas related to their research interests.	<b>P8S_WG</b>	lectures	discussion
	can			
<b>P8S_UK1</b>	Conducts scientific research related to the topic of their doctoral dissertation, communicates in specialist language with the national and international community of scientists and practitioners, presenting	<b>P8S_UK</b>	lectures	discussion

	and consulting the results of their research activities.					
<b>P8S_UK3</b>	Is able to organise and actively participate in scientific and professional events related to the research conducted in the discipline of Physics.			<b>P8S_UK</b>	lectures	Discussion and report summarising the presentation
<b>P8S_UK4</b>	Is able to initiate and conduct a scientific debate based on scientific evidence in the national and international community of theoretical specialists and experimenters.			<b>P8S_UK</b>	lectures	Discussion and report summarising the presentation
<b>P8S_UK5</b>	Is able to actively participate in scientific discourse related to the subject matter of their research, performing various roles.			<b>P8S_UK</b>	lectures	Discussion and report summarising the presentation
<b>P8S_UK6</b>	Is able to actively participate in the international scientific and professional community, sharing the results of their research work, also in a foreign language, at level B2 of the Common European Framework of Reference for Languages.			<b>P8S_UK</b>	lectures	Discussion and report summarising the presentation
<b>Social competence (no.)</b>	is ready to					
<b>P8S_KR1</b>	Is ready to maintain and develop the ethos of research communities, including conducting scientific activity in an impartial manner, as well as to respect the principle of public ownership of scientific results, taking into account the principles of intellectual property protection.			<b>P8S_KR</b>	lectures	Discussion and report summarising the presentation
Semester (no.)	Lectures	Seminars	Conversatory / Lab classes	Internships	others	ECTS
<b>IV</b>	<b>15</b>	-	-	-	-	<b>1</b>
<b>VI</b>	<b>15</b>	-	-	-	-	<b>1</b>
total:	<b>30</b>					<b>2</b>
<b>METHODS OF INSTRUCTION</b>						
<ul style="list-style-type: none"> <li>- LECTURE WITH MULTIMEDIA PRESENTATION,</li> <li>- DISCUSSION,</li> <li>- PRESENTATION OF THE ENTIRE SPEECH</li> </ul>						
<b>COURSE CONTENT</b>						
<p><b>Semester IV</b>  <b>Lecture:</b> Regular and one-off national and international scientific events related to the discipline of Physics, with a particular focus on the subject of the doctoral thesis being prepared. Discussion on the possibility of participating in national and international scientific events.  <b>Topic:</b> Discussion on national scientific events.  <b>Topic:</b> International scientific conferences, workshops, symposia and scientific congresses related to the discipline of Physics  <b>Topic:</b> Discussion on cyclical scientific events taking place abroad.</p> <p><b>Semester VI</b>  <b>Lecture:</b> Planning and discussion of active participation in national and international scientific events related to the discipline of Physics.</p>						

**Topic:** Selection of a topic and publication plan for an international conference, symposium or scientific congress.

**Topic:** Discussion of the prepared speech and presentation of research results.

**Topic:** Discussion on the speech and prepared multimedia presentation.

### COURSE ASSESSMENT CRITERIA

Semester IV – one public presentation on the topic of the doctoral thesis.

Semester VI – active participation of the doctoral student in a national or international scientific event.

Possible semester grades are: pass – pass, fail – fail.

### 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 hrs. x 2 -30 hrs.
Other contact hours involving the teacher (consultation hours, examinations)	2 hrs. x 2 – 4 hrs.
Non-contact hours – student`s own work (preparation for classes or examinations, project, etc.)	13 hrs. x 2 – 26 hrs.
<b>Total number of hours</b>	<b>30 hrs. x 2 – 60 hrs.</b>
<b>Total number of ECTS credits*</b>	<b>1 x 2 -2 ECTS</b>

### INSTRUCTIONAL MATERIALS

Compulsory literature:	<ol style="list-style-type: none"><li>1. Mariola Antczak (red), Prezentacje multimedialne w wystąpieniach naukowych, Wydawnictwo Uniwersytetu Łódzkiego, 2023.</li><li>2. Michael Guest, Conferencing and Presentation English for Young Academics, Springer Singapore, 2018.</li><li>3. Przemysław Kutnyj, Sztuka autoprezentacji i wystąpień publicznych, Wydawnictwo PWN, 2021.</li><li>4. Adrian Wallwork - Giving an Academic Presentation in English, Springer Cham, 2022.</li><li>5. Piotr Wasylczyk - Prezentacje naukowe. Praktyczny poradnik dla studentów, doktorantów i nie tylko, Wydawnictwo Naukowe PWN, Warszawa 2017.</li><li>6. Katarzyna Wiśniewska, English Speeches and Presentations. A Practical Guide. Wystąpienia publiczne i prezentacje w języku angielskim, Wydawnictwo Poltext, 2022.</li><li>7. Materiały własne</li></ol>
Complementary literature:	<ol style="list-style-type: none"><li>1. Matt Beadle. Prezentacje: dobre przygotowanie, sprawne prowadzenie. W dwóch językach: po polsku i po angielsku. Wyd. Warszawa: BC Edukacja, 2009.</li><li>2. Artur Beling - Sztuka wystąpień publicznych, Wydawnictwo Harmonia, 2010.</li><li>3. Bernard Bleind - Sztuka prezentacji i wystąpień publicznych. Wydawnictwo RM, Warszawa 2010.</li><li>4. John Giba, Ramon Ribes, Preparing and Delivering Scientific Presentations. Springer Berlin Heidelberg, 2011.</li><li>5. Violetta Kalka, Elementarz wystąpień publicznych, Warszawa 2020.</li><li>6. Jarosław Kordziński, Przemów do nich! Teoria i praktyka wystąpień publicznych, Gliwice 2010.</li><li>7. Gabriel Łasiński, Sztuka prezentacji, Wydawnictwo eMPI2, Poznań, 2000.</li><li>8. Mary Munter, Lynn Russell, Jak przeprowadzać prezentacje, Wydawnictwo Wolters Kluwer, Warszawa, 2009.</li><li>9. Wiktor Niedzicki, Sztuka prezentacji w nauce, biznesie, polityce, Warszawa, 2010.</li><li>10. Maciej Orłoś, O sztuce wystąpień publicznych, Wydawnictwo RM, Warszawa 2018.</li><li>11. Edward Pietkiewicz, Konferencje: sztuka przemawiania i dyskusowania, Warszawa, 1998.</li></ol>

	12. Adrian Wallwork, English for presentations at international conferences, Springer New York Dordrecht Heidelberg London, 2010.
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\*(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