COURSE SYLLABUS – DOCTORAL SCHOOL
EDUCATION CYCLE FROM 2024/2025 TO 2027/2028

GENERAL INFORMATION ABOUT THE COURSE	
Course title	***PUBLIC SPEAKING***
Name of the unit delivering the course	Doctoral School at the University of Rzeszów
Type of course (compulsory, elective)	***compulsory course***
Year/semester	**year II, semester III**
Discipline	physical sciences
Language of instruction	English
Course coordinator (name and surname)	**dr hab. Marta Łuszczak, prof. UR**
Course instructor(s) (name and surname)	**dr hab. Marta Łuszczak, prof. UR**
Prerequisites	Knowledge of and ability to use specialist computer software. Knowledge of English at level B2 of the CEFR. Proficiency in providing a clear description, including a graphical one, and explaining issues in the context of one's own research activities in the discipline of physical sciences. Ability to communicate effectively between the speaker and the audience.

COURSE SUMMARY

(synthetic description of content and objectives; 100–200 words)

The course "Public Speaking" aims to organise and consolidate the existing knowledge, skills and social competences related to preparing a public presentation and presenting one's own research results. The issues discussed will include, among others:
- defining the role of conferences, seminars and other popular-science events in academic development;
- proper preparation of the structure of a presentation;
- developing the ability to engage in and participate in topical discussion;
- formulating and asking questions and answering questions asked;
- presenting arguments and conclusions;
- issues concerning effective methods of graphical presentation used during public presentations;
- familiarisation with the principles of verbal and non-verbal communication;
- developing an appropriate posture, body language and gestures;
- ways of dealing with emotions accompanying public speaking.

LEARNING OUTCOMES FOR THE COURSE AND VERIFICATION METHODS

Learning outcome symbol	Intended learning outcomes	Reference to learning outcomes for qualifications at PRK level 8 (symbol)	Form of classes (lecture, exercises, etc.)	Verification methods (e.g., test, oral exam, written exam, project, etc.)
Knowledge No.	**knows and understands, has knowledge of:**			
P8S-WG1	Has broad theoretical knowledge, is familiar with current scientific achievements, including worldwide achievements, within the selected topic in the scientific discipline: physical sciences, as well as general issues in related disciplines, particularly those linked to the topic of the conducted research; has knowledge of its place in the system of science that allows one to	P8S-WG	exercises	oral response

	determine the significance of the conducted scientific research in comparison with other fields.			
Skills No.	**is able to:**			
P8S_UK1	Can present the results of conducted scientific research; can prepare a text together with graphical elaboration and deliver, in various scientific settings and to specialists, a paper in Polish and a foreign language. Can communicate on specialist topics in the physical sciences discipline, as well as in related disciplines within the scope of research interests, at a level enabling active participation in the national and international scientific community.	P8S_UK	exercises	oral response
P8S_UK3	Can plan, organise and actively participate in scientific conferences and other popular-science events.	P8S_UK	exercises	oral response
P8S_UK4, P8S_UK5	Can take an active part in scientific discourse and in other events of a scientific nature; can initiate a scientific debate based on evidence and facts; can participate in discussions related to the discipline or area of one's own scientific research in the physical sciences, including in Polish and a foreign language.	P8S_UK	exercises	oral response
P8S_UK6	Using a foreign language at B2 level of the Common European Framework of Reference for Languages, can speak publicly to present one's own scientific research results and participate in discussions on scientific and professional topics in various settings, national and international.	P8S_UK	exercises	oral response
Social competences No.	**is ready to:**			
P8S_KR1	Is ready to conduct scientific activity independently, as well as to develop and uphold the ethos of research communities and to disseminate the results of one's scientific research, respecting the principles of intellectual property protection.	P8S_KR	exercises	oral response

FORMS OF CLASSES, NUMBER OF HOURS AND CREDITS

Semester (no.)	Lecture	Exercises/Classes	Lab.	Practical	Other	**Number of ECTS credits**
III	**-**	**6**	**-**	**-**	**-**	**1**

TEACHING METHODS

Discussion, conversation, talk, presentation, speech with a multimedia presentation, observation

PROGRAMME CONTENT

exercises: description of class topics

Topic 1: Preparation and delivery of a talk during classes
Topic 2: Presentation methods used during public speaking. Rules for preparing presentations that increase the effectiveness of communicating research results.
Topic 3: Preparation of a multimedia presentation using computer software.
Topic 4: Delivering public presentations.
Topic 5: The role of public speaking in academic development.
Topic 6: Building self-confidence and using one's own potential. Coping with stress.

COURSE COMPLETION REQUIREMENTS (ASSESSMENT CRITERIA)

Completion with a grade takes place in oral form, on the basis of the talks prepared and delivered by the doctoral student concerning public speaking and a multimedia presentation concerning the results of their own scientific research.

Assessed are: preparation of talks and presentations, the manner of delivery (clarity), the ability to answer questions.

Grade 5.0 – very good preparation of talks and presentations, very good manner of delivery, very well formulated answers to questions asked

Grade 4.5 – better than good preparation of talks and presentations, better than good manner of delivery, above good ability to answer questions asked

Grade 4.0 – good preparation of talks and presentations, good manner of delivery, good ability to formulate answers to questions asked

Grade 3.5 – above average preparation of talks and presentations, above average manner of delivery, above average ability to formulate answers to questions asked

Grade 3.0 – average preparation of talks and presentations, average manner of delivery, average ability to formulate answers to questions asked.

Grade 2.0 – average preparation of talks and presentations, average manner of delivery, no answers provided to questions asked.

TOTAL DOCTORAL STUDENT WORKLOAD REQUIRED TO ACHIEVE THE INTENDED LEARNING OUTCOMES IN HOURS AND ECTS CREDITS

Type of activity	Average number of hours to complete the activity
Hours completed in direct contact resulting from the study programme	**6**
Other with teacher participation (participation in consultations, examination)	**1**
Hours completed independently by the doctoral student (preparation for classes, exam, writing a talk, etc.)	**22**
TOTAL HOURS	**28**
TOTAL NUMBER OF ECTS CREDITS*	**1**

LITERATURE	
Required reading:	1. Alley, M. (2013), *The Craft of Scientific Presentations: Critical Steps to Succeed and Critical Errors to Avoid* (2nd ed.); Springer. 2. Doumont, J.-L. (2009), *Trees, Maps, and Theorems: Effective Communication for Rational Minds*; Principie. 3. Anderson, C. (2016), *TED Talks: The Official TED Guide to Public Speaking* ; Headline Publishing Group. 4. Duarte, N. (2010), *Resonate: Present Visual Stories that Transform* Audiences; Wiley. 5. Lucas, S. E. (2023), *The Art of Public Speaking* (13th ed., 2023 release); McGraw-Hill Education.
Supplementary reading:	1. Tufte, E. R. (2001), *The Visual Display of Quantitative Information* (2nd ed.); Graphics Press. 2. Tufte, E. R. (2006), *Beautiful Evidence;* Graphics Press. 3. Duarte, N. (2008), *slide:ology: The Art and Science of Creating Great Presentations;* O'Reilly Media 4. Schimel, J. (2011), *Writing Science: How to Write Papers That Get Cited and Proposals That Get Funded;* Oxford University Press. 5. Olson, R. (2015), *Houston, We Have a Narrative: Why Science Needs Story;* University of Chicago Press. 6. Gopen, G. D., & Swan, J. A. (1990), The science of scientific writing; *American Scientist, 78*, 550–558. 7. McGonigal, K. (2015), *The Upside of Stress: Why Stress Is Good for You, and How to Get Good at It;* Avery. 8. Fox Cabane, O. (2012), *The Charisma Myth: How Anyone Can Master the Art and Science of Personal Magnetism'* Portfolio.

*(1 ECTS credit corresponds to 25–30 hours of the doctoral student's total workload required to achieve the intended learning outcomes)

.....
Date and signature of the course instructor

.....
Approval of the Head of the Unit or an authorised person