

**A COURSE SYLLABUS – DOCTORAL SCHOOL**  
**regarding the qualification cycle from 2025/2026 to 2028/2029**

<b>GENERAL INFORMATION ABOUT COURSE</b>				
Course title	<b>THE ETHOS OF A SCIENTIST, OR GOOD PRACTICES IN SCIENCE</b>			
Name of the unit running the course	Doctoral School of the University of Rzeszów			
Type of course ( <i>obligatory, optional</i> )	compulsory			
Year and semester of studies	year I, semester I			
Discipline	interdisciplinary			
Language of Course	Polish/English			
Name of Course coordinator	Dr Joachim Popek			
Name of Course lecturer	Dr Joachim Popek			
Prerequisites	Knowledge of issues related to conduct in accordance with accepted moral standards and ethical principles concerning broadly understood integrity, responsibility, respect and justice in various spheres, such as professional and scientific work, business, personal life and in relation to the environment.			
<b>BRIEF DESCRIPTION OF COURSE</b> (100-200 words)				
<p>The course entitled 'The Ethos of a Scientist, or Good Practices in Science' aims to introduce doctoral students to the practical principles of functioning in the environment of researchers and scientists. Classes in this subject are intended to be an opportunity to discuss not only the ethics of scientific research, scientific criticism, the education of scientific staff and the implementation of research results, but above all the responsible publication of research results, transparency and access to data, and honesty in obtaining and spending research funds. The course also aims to provide a broader view of the subject of ethics in science, from the perspective of scientists, lecturers, students and people in the business environment.</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_WK/2</b>	Knows and complies with applicable ethical standards in scientific, artistic and teaching activities. Respects applicable intellectual, legal and economic property rights.	<b>P8S_WK</b>	Conversatory	Observation, discussion - activity in class
<b>Skills (no.)</b>	can			
<b>P8S_UW/3</b>	Critically assess existing scientific or creative achievements and evaluate their significance for the development of science.	<b>P8S_UW</b>	Conversatory	Observation, discussion - activity in class

<b>P8S_UU/1</b>	Independently plan and act for one's own broadly understood scientific or artistic development, as well as inspire and organise the development of others.	<b>P8S_UU</b>	Conversatory	Observation, discussion - activity in class
<b>P8S_UU/2</b>	Able to plan and conduct teaching activities using activating teaching methods and techniques.	<b>P8S_UU</b>	Conversatory	Observation, discussion - activity in class
<b>Social competence (no.)</b>	is ready to			
<b>P8S_KK/1</b>	Critically evaluate the available scientific or artistic achievements within the scientific or artistic discipline practised.	<b>P8S_KK</b>	Conversatory	Observation, discussion - activity in class
<b>P8S_KK/2</b>	Is ready to accept critical judgements about their own scientific or artistic achievements.	<b>P8S_KK</b>	Conversatory	Observation, discussion - activity in class
<b>P8S_KO/1</b>	Is ready to responsibly fulfil research, creative and social obligations arising from the tasks performed and the role held.	<b>P8S_KO</b>	Conversatory	Observation, discussion - activity in class
<b>P8S_KR/1</b>	He is prepared to adopt and develop the ethos of research and creative environments, including: conducting scientific or artistic activities independently, respecting the applicable rules of public ownership of scientific or artistic results, and complying with the rules of intellectual property protection.	<b>P8S_KR</b>	Conversatory	Observation, discussion - activity in class

Semester (no.)	Lectures	Seminars	Conversatory / Lab classes	Internships	others	ECTS
<b>1</b>	-	-	<b>15 hrs.</b>	-	-	<b>1</b>

### METHODS OF INSTRUCTION

- MULTIMEDIA PRESENTATIONS, INSTRUCTION, PRACTICAL EXERCISES, INDIVIDUAL EXERCISES, INSTRUCTIONAL VIDEOS, DISCUSSION;  
- TEACHING METHODS INVOLVING PRESENTATION, DEMONSTRATION, PRACTICAL WORK AND ACTIVE PARTICIPATION, DEPENDING ON THE SUBJECT OF EACH CLASS;

### COURSE CONTENT

1. Responsible publication of research results (part 1) – 'easy' paths to publication, publication fees – APC, predatory journals, research integrity
2. Responsible publication of research results (part 2) – submitting publications to verified and honest publishers (avoiding predatory titles); searching for and profiling journal titles for conducting research; the procedure for submitting publications in ICT systems; developing the ability to evaluate journals.
3. Networking and internationalisation – reliable cooperation (avoiding so-called publication 'cooperatives'), the importance and role of research networks for young scientists; the importance of internationalisation;
4. Integrity in fundraising – methodological reliability (proposing verified methods); indicating realistic results and actual preliminary research; verified participation of contractors.

5. Plagiarism and self-plagiarism – intellectual integrity (proper citation of publications and sources; avoiding manipulation of research results).

### COURSE ASSESSMENT CRITERIA

Form of assessment: pass/fail.

Observation during classes, discussion, written assignment on a selected topic (preparation of a problem-based essay).

### 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
Other contact hours involving the teacher (consultation hours, examinations)	0
Non-contact hours – student's own work (preparation for classes or examinations, project, etc.)	15 hrs.
<b>Total number of hours</b>	<b>30 hrs.</b>
<b>Total number of ECTS credits</b>	<b>1 ECTS</b>

### INSTRUCTIONAL MATERIALS

Compulsory literature:

Websites:

1. Beall's List of Potential Predatory Journals and Publishers: <https://beallslist.net/>
2. SCImago Journal & Country Rank: <https://www.scimagojr.com/>
3. Research Journals, List of research journals: <https://journalrw.org/>
4. Scopus: <https://www.scopus.com/sources.uri?zone=TopNavBar&origin=searchbasic>
5. Clarivate WoS: <https://mjl.clarivate.com/search-results>
6. Forum Akademickie: <https://forumakademickie.pl/>
7. ORCID - <https://orcid.org/>
8. ResearchGate: <https://www.researchgate.net/>
9. Horizon Europe: [https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe\\_en](https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe_en)
10. Narodowe Centrum Nauki: <https://ncn.gov.pl/>
11. Tylor and Francis: <https://taylorandfrancis.com/>
12. Oxford University Press: <https://global.oup.com/academic/?cc=pl&lang=en&>
13. Elsevier: <https://www.elsevier.com/en-au>
14. MDPI - Publisher of Open Access Journals: <https://www.mdpi.com/>
15. COST | European Cooperation in Science and Technology: <https://www.cost.eu/>
16. Cambridge Core: <https://www.cambridge.org/core/>
17. Wydawnictwo Uniwersytetu Jagiellońskiego: <https://wuj.pl/>
18. Wydawnictwa Uniwersytetu Warszawskiego: <https://www.wuw.pl/>
19. Czasopisma Uniwersytetu Rzeszowskiego - Open Journal System: <https://journals.ur.edu.pl/>

	20. Repozytorium Uniwersytetu Rzeszowskiego: <a href="https://repozytorium.ur.edu.pl/home">https://repozytorium.ur.edu.pl/home</a> 21. Open DOAR: <a href="https://opendoar.ac.uk/">https://opendoar.ac.uk/</a>
Complementary literature:	-

\*(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