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

GENERAL INFORMATION ABOUT COURSE	
Course title	**THE ETHOS OF A SCIENTIST, OR GOOD PRACTICES IN SCIENCE**
Name of the unit running the course	Doctoral School of the University of Rzeszów
Type of course *(obligatory, optional)*	compulsory
Year and semester of studies	year I, semester I
Discipline	interdisciplinary
Language of Course	English
Name of Course coordinator	Dr Dariusz Szkutnik
Name of Course lecturer	Dr Dariusz Szkutnik
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.

BRIEF DESCRIPTION OF COURSE
(100-200 words)

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.

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, has knowledge			
P8S_WK/2	Knows and complies with applicable ethical standards in scientific, artistic and teaching activities. Respects applicable intellectual, legal and economic property rights.	**P8S_WK**	Conversatory	Observation, discussion - activity in class
Skills (no.)	can			
P8S_UW/3	Critically assess existing scientific or creative achievements and evaluate their significance for the development of science.	**P8S_UW**	Conversatory	Observation, discussion - activity in class
P8S_UU/1	Independently plan and act for one's own broadly understood scientific or artistic	**P8S_UU**	Conversatory	Observation, discussion -

	development, as well as inspire and organise the development of others.			activity in class
P8S_UU/2	Able to plan and conduct teaching activities using activating teaching methods and techniques.	**P8S_UU**	Conversatory	Observation, discussion - activity in class
Social competence (no.)	is ready to			
P8S_KK/1	Critically evaluate the available scientific or artistic achievements within the scientific or artistic discipline practised.	**P8S_KK**	Conversatory	Observation, discussion - activity in class
P8S_KK/2	Is ready to accept critical judgements about their own scientific or artistic achievements.	**P8S_KK**	Conversatory	Observation, discussion - activity in class
P8S_KO/1	Is ready to responsibly fulfil research, creative and social obligations arising from the tasks performed and the role held.	**P8S_KO**	Conversatory	Observation, discussion - activity in class
P8S_KR/1	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.	**P8S_KR**	Conversatory	Observation, discussion - activity in class

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

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. **Manuscript Submission and Responsible Research Publication**
Selection of an appropriate academic journal; submission procedures (including editorial management systems such as Open Journal Systems); preparation of manuscripts in accordance with journal guidelines; the peer review process; article processing charges (APCs); identification of predatory journals; principles of research integrity and authorship responsibility.
2. **Internationalisation of Research and Scholarly Visibility**
International research collaboration; bibliometric databases (e.g. Scopus, Web of Science); researcher identifiers and profiles (e.g. ORCID); strategies for enhancing research visibility, citation impact, and scholarly influence.
3. **Publication Ethics: Plagiarism, Self-Plagiarism, and the Use of AI**
Principles of proper citation and paraphrasing; plagiarism and self-plagiarism; plagiarism detection tools (e.g. iThenticate); the use of artificial intelligence tools in academic work; ethical standards (e.g. Committee on Publication Ethics); authorship responsibility.
4. **Research Funding and Project Integrity**

National and international research funding schemes (e.g. National Science Centre, National Centre for Research and Development); structure of a grant application; fundamentals of research methodology; project evaluation criteria; adequacy and feasibility of research design and underlying assumptions.

5. **Research Data Management and Good Scientific Practice**

Collection, storage, and sharing of research data; documentation of the research process; principles of Open Science; data repositories; researcher responsibility in data management.

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.**
Total number of hours	**30 hrs.**
Total number of ECTS credits	**1 ECTS**

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
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: https://repozytorium.ur.edu.pl/home 21. Open DOAR: https://opendoar.ac.uk/. 22. COPE https://publicationethics.org/
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