GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00072658		
Field of study	Transport and Logistics		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2026/2027
Education level	first-cycle studies	Subject group	
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	4	Language of instruction	Polish
Semester of study	7	ECTS credits	1.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Division of Structural Materials Technology and Welding -> Institute of Manufacturing and Materials Technology -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Dariusz Fydrych	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	0.0	0.0	15

E-learning hours included: 0.0

Learning activity and number of study hours

Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
Number of study hours	15	0.0	0.0	15

Subject objectives

The aim of the course is to understand and acquire skills in effective scientific communication, presentation of research results, and participation in academic discussion, taking into account the principles of research ethics, scientific integrity, author responsibility, and good practices in scientific work.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications	The student is able to work in a group.	[SW1] Assessment of factual knowledge
[K6_K71] is able to explain the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment	The student distinguishes and classifies the basic forms of scientific communication and typical ethical problems occurring in scientific activity.	[SK5] Assessment of ability to solve problems that arise in practice
[K6_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems	The student is able to solve problems in the field of scientific communication and research ethics.	[SU2] Assessment of ability to analyse information

Subject contents

Course content – lecture

Aims, functions and importance of scientific communication in the development of science and the dissemination of research results; basic forms of scientific communication, e.g. scientific articles and conference presentations; principles of preparing scientific texts, including the structure of a publication, formulation of the research aim, description of methodology, presentation of results and conclusions; selection of elements supporting scientific communication, e.g. title and keywords; principles of oral communication in science, including preparing a presentation and participating in academic discussion; written and electronic communication, e.g. correspondence with a journal editorial office and contact with co-authors; principles of scientific collaboration, division of tasks and responsibility of research team members; authorship and co-authorship of scientific publications, e.g. order of authors and role of the corresponding author; basic principles of research ethics, research integrity, research documentation and data reliability; violations of research ethics, e.g. plagiarism and falsification of results; ethical aspects of the publication and review process, including the principles of peer review, confidentiality of reviews and conflict of interest; good publication practices, e.g. journal selection and preparation of responses to reviewers; principles of responsible communication of research results to different audiences and counteracting misinformation; ethical use of digital tools, e.g. artificial intelligence and bibliographic databases.

<table>
<tr><td>Prerequisites and co-requisites</td><td colspan="2"></td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="2"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>test</td><td>60.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>1. Komisja do spraw Etyki w Nauce PAN, Kodeks etyki pracownika naukowego, Polska Akademia Nauk, Warszawa, 2024.
2. Komitet Etyki w Nauce przy Prezydium PAN, Dobre obyczaje w nauce. Zbiór zasad i wytycznych, wyd. III zmienione, Polska Akademia Nauk, Warszawa, 2001.
3. Zespół do Spraw Dobrych Praktyk Akademickich, Rzetelność w badaniach naukowych oraz poszanowanie własności intelektualnej, Ministerstwo Nauki i Szkolnictwa Wyższego, Warszawa, 2012.
4. European Association of Science Editors, EASE Guidelines for Authors and Translators of Scientific Articles to be Published in English, European Association of Science Editors, 2020.
5. Stępień B., Zasady pisania tekstów naukowych. Prace doktorskie i artykuły, Wydawnictwo Naukowe PWN, Warszawa, 2016.</td></tr>
<tr><td>Supplementary literature</td><td>1. ALLEA, The European Code of Conduct for Research Integrity. Revised Edition 2023, ALLEA All European Academies, Berlin, 2023. DOI: 10.26356/ECOC.
2. Committee on Publication Ethics, COPE Guidance and Tools, Committee on Publication Ethics, dostęp online.
3. Wiley, Best Practice Guidelines on Publishing Ethics, John Wiley & Sons, dostęp online.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2">1. List and describe the basic forms of scientific communication.
2. List and describe the most important principles of research ethics and research integrity.
3. List and describe the most common violations of ethics in scientific activity.</td></tr>
<tr><td>Practical activites within the subject</td><td colspan="2">Not applicable</td></tr>
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