GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00070045						
Field of study	Przygotowywanie artykułów naukowych i publikacja badań						
Date of commencement of studies	February 2025		Academic year of realisation of subject	2025/2026			
Education level	second-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery	at the university			
Year of study	1		Language of instruction	Polish			
Semester of study	2		ECTS credits	4.0			
Learning profile	general academic profile		Assessment form	assessment			
Conducting unit	Division of Manufacturing and Production Engineering -> 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 inż. Bogdan Ścibiorski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	20.0	0.0	0.0	0.0	50
	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	50		0.0	0.0	50	
Subject objectives	To familiarize participants with the principles of creating, reviewing, and publishing scientific articles in the field of technical sciences, with particular emphasis on linguistic, methodological, and ethical correctness						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U02] formulates and solves technical problems specific to Mechanics and Mechanical Engineering using appropriate tools including CAD and MES systems, and prepares technical documentation	Is able to provide a technically and methodologically accurate description of engineering problems in the field of Mechanical Engineering, including the methods used for their analysis (e.g., CAD or FEM) and the obtained research results. Prepares scientific and technical documentation as well as sections of a research article—such as methodology, results analysis, and interpretation—according to academic publication standards.	[SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu
[K7_U82] is able to proficiently obtain and process information related to field of study and academic environment in foreign language at B2+ level of the Common European Framework of Reference for Languages (CEFR)	Is able to use foreign-language databases and literature to the extent necessary for analyzing and understanding information relevant to preparing scientific articles in the field of technical sciences. Is capable of synthesizing content obtained from various foreignlanguage sources and incorporating it into one's own work, maintaining correct terminology and adhering to formal requirements.	[SU2] Ocena umiejętności analizy informacji
[K7_U81] is able to communicate with ease in foreign language at B2+ level of the Common European Framework of Reference for Languages (CEFR) in everyday life, in academic and professional environments	Exhibits the ability to communicate fluently in a foreign language at the B2+ level, enabling seamless presentation of research findings at international conferences and in scientific publications. Can accurately formulate complex written statements, such as abstracts or article chapters, using specialized technical terminology in a foreign language	[SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu
[K7_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	Can explain why understanding social and ethical factors (e.g., plagiarism, conflict of interest) is essential in the scientific publication process. Demonstrates how utilizing knowledge of ethics, economics, or law supports the reliability and transparency of scientific research	[SK5] Ocena umiejętności rozwiązywania problemów występujących w praktyce

Subject contents

Course content – lecture

This course offers a detailed discussion of the structure of a scientific article, including the abstract, introduction, methodology, results, discussion, and conclusions. It outlines the principles of technical writing, emphasizing clarity, precision, and adherence to style guidelines. The course also covers literature selection and citation rules, provides an overview of the peer-review process, and offers guidance on selecting appropriate journals for publication. Ethical issues such as plagiarism, conflict of interest, and data integrity are also addressed

Course content – exercises

Practical sessions involve writing selected sections of scientific articles on chosen research topics, reviewing draft texts, and preparing publication proposals for selected journals in accordance with their editorial requirements.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
written assignments or presentations	60.0%	50.0%
discussions	60.0%	50.0%

Recommended reading

Basic literature	Piotr Siuda, Piotr Wasylczyk: Publikacje naukowe. Praktyczny poradnik dla studentów, doktorantów i nie tylko, Warszawa, 2018 Tomasz Liśkiewicz, Grzegorz Liśkiewicz: Wprowadzenie do efektywnego publikowania naukowego, Publikacja Amber Editing, Łódź 2014
Supplementary literature	Joshua Schimel Writing Science: How to Write Papers That Get Cited and Proposals That Get Funded
eResources addresses	

Example issues/ example questions/ tasks being completed	1. The structure of a scientific article (abstract, introduction, methodology, results, discussion, conclusion) 2. Principles of technical writing style, precision, terminology 3. Literature selection and citation methods (e.g., APA, IEEE) 4. The peer-review process stages and reviewer requirements 5. Choosing the right journal indices, impact factor, readership scope 6. Publication ethics plagiarism, conflict of interest, data integrity 7. Methods for presenting results (tables, charts, illustrations, schematics) 8. Preparing a manuscript for publication and formatting according to editorial guidelines 9. The role of co-authors and inter-institutional collaboration in scientific publications 10. Hands-on workshops for writing and reviewing selected parts of scientific articles
Practical activites within the subject	Not applicable

Document generated electronically. Does not require a seal or signature.