



Subject card

Subject name and code	, PG_00065681						
Field of study	Mechanical Engineering						
Date of commencement of studies	February 2024	Academic year of realisation of subject			2024/2025		
Education level	second-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Institute of Manufacturing and Materials Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Bogdan Ścibiorski				
	Teachers		dr inż. Bogdan Ścibiorski				
Lesson types and methods of instruction	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		10.0		40.0	100
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_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] Assessment of ability to use knowledge gained from the subject
	[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 foreign-language sources and incorporating it into one's own work, maintaining correct terminology and adhering to formal requirements.	[SU2] Assessment of ability to analyse information
	[K7_U02] is able to communicate in English in professional matters within the area of technical science and, particularly, of construction and operation of machines	Can communicate in English on professional matters related to machine construction and operation, which includes writing reviews of research articles and corresponding with journal editors. Effectively conducts discussions and presents arguments on technical science issues in an international environment.	[SU3] Assessment of ability to use knowledge gained from the subject
[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] Assessment of ability to solve problems that arise in practice	
Subject contents	<p>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.</p> <p>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.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	discussions	60.0%	50.0%
	written assignments or presentations	60.0%	50.0%
Recommended reading	Basic literature	Piotr Siuda, Piotr Wasylczyk: <i>Publikacje naukowe. Praktyczny poradnik dla studentów, doktorantów i nie tylko</i> , Warszawa, 2018 Tomasz Liśkiewicz, Grzegorz Liśkiewicz: <i>Wprowadzenie do efektywnego publikowania naukowego</i> , Publikacja Amber Editing, Łódź 2014	
	Supplementary literature	Joshua Schimel <i>Writing Science: How to Write Papers That Get Cited and Proposals That Get Funded</i>	
	eResources addresses	Adresy na platformie eNauczanie:	

Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> 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
Work placement	Not applicable

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