



Subject card

Subject name and code	SCIENCE OF SCIENTIFIC WRITING, PG_00048956						
Field of study	Green Technologies						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies	Subject group			Obligatory subject group in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			English		
Semester of study	2	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Colloid and Lipid Science -> Faculty of Chemistry						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Christian Jungnickel				
	Teachers		dr hab. Christian Jungnickel				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	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	30		5.0		15.0	50
Subject objectives	Technical writing/communication to specific targeted audiences.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[K7_U01] able to obtain information from literature, databases and other sources, can integrate the information obtained, to make their interpretation and critical evaluation, as well as draw conclusions and formulate and fully justify opinions, able to prepare a study in Polish and short scientific report in a foreign language on the results of their own research		During the course, journal screening will be conducted to critically analyse the research of other groups. In addition, students will be asked to perform peer review on their own work.			[SU2] Assessment of ability to analyse information	
	[K7_W05] has a broader knowledge of the advanced concepts and problems of quality management, application of the principles of work organization and integrated management and the knowledge necessary to understand the social, economic, legal and other non-technical considerations engineering activities, knows the basic principles of health and safety in force in environmental		As part of the course students will be required to plan their own work, and time. An integral part of this will be a simulated mini grant application, with all typical time management, project management etc sections.			[SW3] Assessment of knowledge contained in written work and projects	
	[K7_K03] can consciously and supported by the experience to present your work, provide information in a manner commonly understood, to communicate, to make self-assessment and constructive criticism of the work of others, the reasons for different points of view		Part of the course will be journal evaluation, including the evaluation of the critical evaluation of data of other authors.			[SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work	

Subject contents	The course aims to provide students a thorough background to technical writing, and writing skills. Effective writing techniques will be discussed. The lecture course will start by discussing the importance of communication and writing in science. The course will provide a detailed discussion on how to write a report, technical paper, and thesis. Principles of science, peer review, and grant applications will be discussed. Writing styles will be detailed. This includes skills such as referencing and avoiding plagiarism. A specific focus will be given on technical writing to specific audiences especially fellow engineers. The course will also focus on graphical communication, and how to effectively present ideas and thoughts with tables/figures/equations. Later this will be built upon with a walkthrough on how to write effective presentations, and how to give effective oral presentations with confidence.		
Prerequisites and co-requisites	Good command of the English language.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Homework	50.0%	50.0%
	Test	50.0%	50.0%
Recommended reading	Basic literature	Domanski, English in Science and Technology, 1996, Wydawnictwa Naukowo Techniczne Horowska, English for Chemistry, 2010, Wydawnictwo Politechniki Gdanskiej	
	Supplementary literature	Halliday, M. A. (1989). "Some Grammatical Problems in Scientific English."  Trimble, L. (1985). English for science and technology: A discourse approach, Cambridge University Press Cambridge.	
	eResources addresses	Adresy na platformie eNauczenie:	
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> <li>1. In your own opinion, what is the importance of truth in science? And how can our perception of truth be altered? Write 15 lines.</li> <li>2. Rewrite the sentences using passive form. Sentences a and b write corresponding passive sentence beginning with the underlined words. Sentences c,d,e finish sentences using words in brackets.....</li> </ol>		
Work placement	Not applicable		