



Subject card

Subject name and code	DIPLOMA SEMINAR, PG_00064328						
Field of study	Chemical Technology						
Date of commencement of studies	February 2027		Academic year of realisation of subject		2027/2028		
Education level	second-cycle studies		Subject group		Optional 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		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Biotechnology and Microbiology -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Adam Macierzanka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	15.0	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		10.0		25.0	50
Subject objectives	Acquisition of the skills necessary for the correct construction and presentation of theoretical and practical issues, essential for the completion of a masters thesis, which requires the implementation of an individual research/experimental plan agreed upon as part of the diploma project.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_K04] is aware of his/her responsibility for making decisions, respecting and developing principles of professional ethics and taking action to uphold these principles		is aware of the necessity to adhere to the principles of professional ethics and understands the consequences associated with making decisions in professional practice.		[SK1] Assessment of group work skills [SK2] Assessment of progress of work [SK3] Assessment of ability to organize work [SK5] Assessment of ability to solve problems that arise in practice		
	[K7_K01] critically evaluates the content of cognitive and practical problems		understands the need to update their knowledge in order to adopt a critical approach to problem-solving in the implementation of projects.		[SK2] Assessment of progress of work [SK3] Assessment of ability to organize work [SK5] Assessment of ability to solve problems that arise in practice		
	[K7_U01] designs experiments using computer methods of data analysis, computer simulations and based on the state of the knowledge in accordance with the latest scientific literature		is able to plan and carry out experiments, measurements, and calculations necessary to further develop the implemented research and/or applied project.		[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		
Subject contents	Course content – seminar						
	The content is selected individually from topics in cosmetic technology, depending on the subject of the specific diploma project carried out by the student.						
Prerequisites and co-requisites	Knowledge of chemical technology acquired during the semesters preceding the diploma semester.						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Seminar – presentations		100.0%		100.0%		

Recommended reading	Basic literature	Heather A. E. Benson; Michael S. Roberts; Vania Rodrigues Leite-Silva, Cosmetic Formulation: Principles and Practice, CRC Press 2021 Jabłońska-Trypuć A., Czerpak R., Surowce kosmetyczne i ich składniki, MedPharm Wrocław 2008 Zieliński R., Surfaktanty towaroznawcze i ekologiczne aspekty ich stosowania, Wydawnictwo Akademii Ekonomicznej w Poznaniu, Poznań, 2000. Zieliński R., Surfaktanty towaroznawcze i ekologiczne aspekty ich stosowania, Wydawnictwo Akademii Ekonomicznej w Poznaniu, Poznań, 2000. Physical Properties of Lipids, ed. A. G. Marangoni, S.S. Narine, Marcel Dekker, Inc., New York, 2002.
	Supplementary literature	Sharma P.P., COSMETICS : Formulation, manufacturing and Quality Control, Fifth Ed., Vandana Pub 2014 Smulders E., Laundry Detergents, Wiley-VCH, Weinheim, 2002. Hummel D.O., Handbook of Surfactant Analysis, John Willey and Sons Ltd, 2000. G. Schramm, Reologia podstawy i zastosowania, OWN, Poznań 1998.
	eResources addresses	
Example issues/ example questions/ tasks being completed	Selected individually according to the specific nature of the students diploma thesis plan.	
Practical activities within the subject	Not applicable	

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