



Subject card

Subject name and code	Semester Project I, PG_00068907						
Field of study	Cosmetic technologies						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
Education level	first-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		Polish		
Semester of study	1		ECTS credits		8.0		
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		dr hab. inż. Patrycja Szumala				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	100.0	0.0	100
	E-learning hours included: 0.0						
	eNauczanie source address: https://enauczanie.pg.edu.pl/2025/course/view.php?id=6096						
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	100		10.0		90.0	200
Subject objectives	Familiarity with teamwork, working according to an established schedule, implementing and reporting subsequent stages of a project related to cosmetics technology.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W06] recognizes technological and scientific possibilities and limitations, as well as organizational and economic ones, in cosmetics technology and related fields		has the knowledge necessary to plan the stages of developing and analyzing a liquid cosmetic product, and to identify various issues and the technological and scientific principles involved in manufacturing such a product.		[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		
	[K6_U01] designs experiments in accordance with the state of knowledge and the latest scientific literature, using computer data analysis methods		is able to maintain documentation regarding formulation and analysis of physicochemical parameters. Able to analyze and present obtained results.		[SU5] Assessment of ability to present the results of task [SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information		
	[K6_W07] has knowledge of designing experiments while maintaining intellectual property protection and the principles of bioethics and applicable legal regulations		knows and is able to identify and examine the required control parameters of the cosmetic product being created.		[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		
	[K6_K01] understands the need to constantly expand knowledge in line with the latest scientific achievements, develop professional competences and teamwork skills		is ready to critically evaluate the properties of the cosmetic product under development and to responsibly implement changes aimed at improving its quality and safety.		[SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work [SK1] Assessment of group work skills		

Subject contents	Course content – project Topics defined by the project supervisor, including: - discussion of the form, action, and composition of the selected cosmetic product, - development of the selected cosmetic formulation, - production of the selected cosmetic based on the formulation, - analysis of the stability and physicochemical properties of the selected cosmetic, - comparison of properties with the commercial product, - development of packaging and labeling for the manufactured product, - preparation of project documentation.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Presentation	100.0%	50.0%
	Written report	100.0%	50.0%
Recommended reading	Basic literature	Heather A. E. Benson; Michael S. Roberts; Vania Rodrigues Leite-Silva, Cosmetic Formulation: Principles and Practice, CRC Press 2021 	

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