



Subject card

Subject name and code	Semester Project I, PG_00068907						
Field of study	Cosmetic technologies						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
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 -> Wydział Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Patrycja Szumała				
	Teachers		dr hab. inż. Patrycja Szumała dr inż. Ilona Kłosowska-Chomiczewska dr hab. inż. Adam Macierzanka dr inż. Aneta Pacyna-Kuchta				
Lesson types and methods of instruction	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=1011						
	Moodle ID: 1011 Projekt semestralny I https://enauczanie.pg.edu.pl/2025/course/view.php?id=1011						
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_W07] has knowledge of designing experiments while maintaining intellectual property protection and the principles of bioethics and applicable legal regulations	Is able to identify and examine the required control parameters of the cosmetic product being created.	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects
	[K6_W06] recognizes technological and scientific possibilities and limitations, as well as organizational and economic ones, in cosmetics technology and related fields	Is able to plan the stages of creating and analyzing a liquid cosmetic product. Can identify various technological and scientific problems and principles involved in the production of this product.	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects
	[K6_K01] understands the need to constantly expand knowledge in line with the latest scientific achievements, develop professional competences and teamwork skills	Can identify, explain and improve the properties of a created cosmetic product.	[SK1] Assessment of group work skills [SK2] Assessment of progress of work [SK5] Assessment of ability to solve problems that arise in practice
	[K6_U01] designs experiments in accordance with the state of knowledge and the latest scientific literature, using computer data analysis methods	Able to maintain documentation regarding formulation and analysis of physicochemical parameters. Able to analyze and present obtained results.	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
Subject contents	Project: Project requirements specified by the project manager.		
Prerequisites and co-requisites	-		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Written report	100.0%	50.0%
	Presentation	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 Dreher, F., Jungman, E., Sakamoto, K., & Maibach, H.I. (Eds.). (2022). Handbook of Cosmetic Science and Technology (5th ed.). CRC Pres M. Martini, Kosmetologia i farmakologia skóry, Wydawnictwo Lekarskie PZWL, Warszawa 2007	
	Supplementary literature	Compliant with the project supervisor's guidelines.	
	eResources addresses		
	Example issues/ example questions/ tasks being completed	According to requirements and design assumptions	
Work placement	Not applicable		

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