GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Introduction to Cosmetics Technology, PG_00068903		
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 Subject group related to scientific research 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	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Biotechnology and Microbiology -> Faculty of Chemistry -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Aneta Pacyna-Kuchta	
	Teachers	dr inż. Aneta Pacyna-Kuchta dr hab. inż. Patrycja Szumała dr inż. Ilona Kłosowska-Chomiczewska dr hab. inż. Adam Macierzanka	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	10.0	0.0	0.0	0.0	30.0	40

E-learning hours included: 0.0

eNauczanie source addresses:

Moodle ID: 1354 Wprowadzenie do technologii kosmetyków
https://enauczanie.pg.edu.pl/2025/course/view.php?id=1354

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	40	5.0	30.0	75

Subject objectives

Introduction to topics related to cosmetics technology, teamwork, and learning how to present and discuss selected issues related to cosmetics technology.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W05] identifies key directions of development of research, equipment and techniques in the production of cosmetics and related products	Can identify various technological and scientific issues and principles related to the production of selected cosmetic products. Can analyse and present the results obtained.	[SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects
[K6_U04] predicts the impact of cosmetic ingredients on the human body and the course of processes involving them based on knowledge of biophysics, physiology, physicochemistry and related fields as well as computer methods of data analysis and simulation	Can identify, explain and assess the properties of selected cosmetic products	[SU2] Assessment of ability to analyse information
[K6_W03] selects methods and processes for producing various forms of cosmetics	Knows simple methods of preparation of selected cosmetic products, can justify the choice of a given method	[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge

<table>
<tr><td>Subject contents</td><td>Lecture discussion by lecturers of issues related to the topic
Seminar students' independent work in subgroups, presentations during classes prepared in accordance with the seminar topic</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Written assessment</td><td>60.0%</td><td>50.0%</td></tr>
<tr><td>Presentation</td><td>60.0%</td><td>50.0%</td></tr>
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<tr><td>Recommended reading</td><td>
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<tr><td>Basic literature</td><td>Dreher, F., Jungman, E., Sakamoto, K., & Maibach, H.I. (Eds.). (2022). Handbook of Cosmetic Science and Technology (5th ed.). CRC Pres</td></tr>
<tr><td>Supplementary literature</td><td>Use of online resources on a given topic</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>Presentation on the cosmetics market in Poland and worldwide, discussion on the most popular brands among different consumer groups.
Presentation on trends in cosmetology and technology, discussion on personalised cosmetics and the role of ecology in choosing cosmetics.</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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