

Subject card

Subject name and code	Technology of cosmetic products, PG_00080791						
Field of study	Chemical Business						
Date of commencement of studies	October 2025		Academic year of realisation of subject			2027/2028	
Education level	Bachelor's 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	3		Language of instruction			Polish	
Semester of study	5		ECTS credits			2.0	
Learning profile	academic		Assessment form			credit	
Conducting unit	Faculty of Chemistry -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Beata Grobelna				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	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	Aims of education to develop the ability to independently perform cosmetic products and to solve problems during the production of cosmetics. familiarizing students with terminology and cosmetic nomenclature. familiarize students with the properties of raw materials for the production of cosmetics. to develop the ability to use chemical knowledge in the assessment of the production possibilities of selected cosmetics on an industrial scale and the selection of optimal raw materials to obtain a specific product.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[BCHINŻ_W05] Describes the life cycle of devices, facilities and technical systems as well as modern environment-friendly technical solutions.		133 / 5 000 - recognizes basic equipment for the production of cosmetic products and uses it to obtain selected cosmetic products,			[SW4] test/exam - oral or written	
Subject contents	B. Laboratory exercises topics: students will use the knowledge gained during the lecture to learn practical skills related to the technology of producing selected cosmetic products. Exercises in 50% will be of a project nature (from gathering information from the client, through the qualitative and plan of quantitative composition of the cosmetic product and preparation the full product characteristics together with technical and financial documentation).						
Prerequisites and co-requisites	Required courses and introductory requirements						
	A. Formal requirements Completed general chemistry course.						
	B. Prerequisites Identifies and recognizes basic inorganic and organic compounds, performs calculations using stoichiometry formulas and concentrations of solutions, performs chemical experiments on its own.						
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade	
	tests		51.0%			80.0%	
	reports		51.0%			20.0%	

Recommended reading	Basic literature	1. Zarys Chemii Kosmetycznej Wiesław Malinka 2. Zarys Chemii i Technologii Kosmetyków Janina Marcinkiewicz-Salmonowiczowa 3. Chemia piękna Marcin Molski 4. Technologia kosmetyków Władysław Brud, Ryszard Glinka, 5. Chemia kosmetyków Alicja Marzec 6. Receptura kosmetyczna Ryszard Glinka
	Supplementary literature	A.2. studiowana samodzielnie przez studenta 1. Kosmetologia i farmakologia skóry M.C.Martini, 2. Nowoczesna kosmetologia Marcin Molski B. Literatura uzupełniająca: literatura fachowa opublikowana w periodykach naukowych.
	eResources addresses	
Example issues/ example questions/ tasks being completed	1. List the main ingredients of toothpaste. 2. What is the principle of operation of an emulsifier? 3. What is the phenomenon of syneresis and what are its consequences?	
Work placement	Not applicable	

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