University of Gdańsk

Subject card

Subject name and code	Cosmetic industry in practice, PG_00081886						
Field of study	Chemistry						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2026/2027		
Education level	undergraduate 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	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		1.0		
Learning profile	academic		Assessment form				
Conducting unit	Faculty of Chemistry -> Rektor						
Name and surname of lecturer (lecturers)	Subject supervisor		Katarzyna Grużewska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	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	2.0	8.0	25

Subject objectives	Acquainting with the basic processes of cosmetics production Acquainting with the technology of fluid production (tonics, micellar liquids, gels for body washing, gels for intimate hygiene) Acquainting with emulsion production technology (face creams, body lotions) Acquainting with the methods of work in the cosmetics technology laboratory Acquainting with the methods of work in the cosmetics quality control laboratory and in the research and development laboratory of a cosmetics company Getting to know the basic principles of GMP work Acquainting with the basic knowledge of the apparatus used in the production of cosmetics

Learning outcomes

Course outcome	Subject outcome	Method of verification
[CHEML3_K09] Is familiar with the general principles of creating and operating forms of individual entrepreneurship.	is active in deepening knowledge and understands the need for continuous training in the field of work in a cosmetic enterprise; The student is aware of the impact of the known methods of cosmetics production on the environment	[SK4] test/exam - oral or written
[CHEML3_W15] Enumerates general principles for creating and developing selected forms of individual entrepreneurship enabling the use of knowledge of chemistry, physics and mathematics.	• Recognizes and explains the operation of the basic equipment used in the production of cosmetics • Selects the appropriate type of apparatus for the assumed technological process • Describes cosmetics production technologies • Can plan a large-scale cosmetic production procedure	[SW4] test/exam - oral or written
[CHEML3_K07] Appreciates the need for understandable presentation of selected chemical issues to the public.	understands the need for systematic familiarization with the latest chemical literature; Understands the need to become acquainted with scientific and popular scientific journals, basic in the field of peptide and protein chemistry used in cosmetic products, in order to broaden and deepen knowledge;	[SK4] test/exam - oral or written

Subject contents

Basic processes of cosmetics production. Apparatus used in the manufacture and control of cosmetics. Technology transfer laboratory scale - semi-technical scale - technical scale. Basic information in the field of cosmetics for liquid and semi-solid forms. GMP standard in a cosmetics factory. Environmental standard.

Prerequisites and co-requisites

Completed courses in the field of cosmetics chemistry and applied cosmetics.

Knowledge of general and organic chemistry, knowledge of basic issues in the field of cosmetics chemistry, knowledge and use of terminology and cosmetic nomenclature.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
test	51.0%	100.0%

Recommended reading

Basic literature	Brud W, Glinka R.Ł.: Technologia kosmetyków, Łódź 2001 Warych J., Aparatura chemiczna i procesowa. Oficyna Wyd. PW, Warszawa 1996 Marcinkiewicz-Salmonowiczowa J.: Zarys chemii i technologii kosmetyków, Pol. Gd. 1995 Koch R., Noworyta A., Procesy mechaniczne w inżynierii chemicznej, WNT, Warszawa 1992
Supplementary literature	Malinka W.: Zarys chemii kosmetycznej, Volumed 1999 Marzec A.: Chemia kosmetyków, Toruń 2001 Janicki S., Fiebig A.: Farmacja stosowana, PZWL 1996 Peters B.: Kosmetyka, Warszawa 2002 Jurkowska S.: Surowce kosmetyczne, Dąbrowa Górnicza 1999
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed

Work placement

Not applicable

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