


**KAPITAŁ LUDZKI**  
 NARODOWA STRATEGIA SPÓJNOŚCI

 Projekt współfinansowany przez  
 Unię Europejską w ramach  
 Europejskiego Funduszu  
 Społecznego

**UNIA EUROPEJSKA**  
 EUROPEJSKI  
 FUNDUSZ SPOŁECZNY


<b>Course title</b>		<b>ECTS code</b>	
Applied cosmetics		13.3.0469	
<b>Name of unit administrating study</b>			
Faculty of Chemistry			
<b>Studies</b>			
<b>faculty</b>	<b>field of study</b>	<b>type</b>	wszystkie
Wydział Biologii	Przyroda	<b>form</b>	wszystkie
		<b>specjalty</b>	wszystkie
		<b>specialization</b>	wszystkie
Wydział Chemii	Chemia	<b>type</b>	pierwszego stopnia
		<b>form</b>	stacjonarne
		<b>specjalty</b>	chemia kosmetyków
		<b>specialization</b>	wszystkie
<b>Teaching staff</b>			
dr hab. Beata Grobelna, profesor uczelni			
<b>Forms of classes, the realization and number of hours</b>		<b>ECTS credits</b>	
<b>Forms of classes</b>		1	
Lecture		classes - 15 h	
<b>The realization of activities</b>		tutorial classes – 2 h	
classroom instruction		student's own work – 8 h	
<b>Number of hours</b>		Total: 25 h - 1 ECTS	
Lecture: 15 hours			
<b>The academic cycle</b>			
2023/2024 summer semester			
<b>Type of course</b>		<b>Language of instruction</b>	
obligatory		polish	
<b>Teaching methods</b>		<b>Form and method of assessment and basic criteria for evaluation or examination requirements</b>	
multimedia-based lecture		<b>Final evaluation</b>	
		Graded credit	
		<b>Assessment methods</b>	
		written test with open questions	
		<b>The basic criteria for evaluation</b>	
		a positive grade from a written pass consisting of 10-15 open questions covering issues mentioned in the lecture's program content	
<b>Method of verifying required learning outcomes</b>			
<b>Required courses and introductory requirements</b>			
<b>A. Formal requirements</b>			
Completed course in cosmetics chemistry			
<b>B. Prerequisites</b>			
identifies and recognizes basic cosmetics, classifies ingredients of cosmetic products to particular groups of chemical compounds and recognizes and compares their most important properties.			
<b>Aims of education</b>			
<ul style="list-style-type: none"> <li>familiarize students with the processes occurring in the skin under the influence of light or electricity,</li> <li>familiarize students with the apparatus used in cosmetology and work safety with apparatus;</li> <li>acquainting students with treatments used in cosmetology,,</li> <li>familiarize students with the processes occurring in the skin under the influence of light or electricity,</li> </ul>			

<ul style="list-style-type: none"> <li>familiarize students with the apparatus used in cosmetology and work safety with apparatus;</li> <li>acquainting students with treatments used in cosmetology,</li> </ul>	
<b>Course contents</b> Problems of the lecture: include, among others, the following topics: peeling (mechanical, chemical, physical), sonophoresis, laser therapy (classification, construction and characterization of lasers), electrotherapy (electroplating, iontophoresis, electrolysis), radio waves, cavitation, rejuvenating methods (facelift and fillers - natural and synthetic), phototherapy, magnotherapy, mesotherapy (traditional and needleless), aromatherapy, massage basics, the basics of medicinal cosmetics. The above-mentioned methods will be discussed in terms of physical and chemical processes and changes occurring in the skin tissue. The apparatus used in these methods will be described.	
<b>Bibliography of literature</b> Literature required to pass the course 1. „Kosmetologia” Barbara Jaroszevska 2. „Kosmetyka ozdobna i pielęgnacja twarzy” Xenia Petsitis, Katrin Kipper 3. „Kosmetyka stosowana” Joanna Dylewska-Grzelakowska Extracurricular reading 1. „Kosmetologia i farmakologia skóry” M.C. Martini. 2. „Zarys Kosmetyki lekarskiej” Anna Koźmińska-Kubarska	
<b>The learning outcomes (for the field of study and specialization)</b>	<b>Knowledge</b> 1. describes the basic treatments used in cosmetology, 2. recognizes lasers used in medicine and cosmetology, 3. describes the operation of lasers, 4. selects the treatment for the right type of skin, 5. recognizes chemical processes occurring in the human skin under the influence of electricity, 6. lists compounds that fulfill the role of fillers in aesthetic medicine, 7. describes the basic types of massage, 8. explains the effects of chemical compounds on the skin, 9. characterizes the types of mesotherapy,
	<b>Skills</b> 1. independently searches of information in the cosmetics literature, 2. predicts the effect of chemical compounds on the skin used in cosmetology, 3. recognizes the basic equipment used in cosmetology, 4. predicts side effects of radio waves, lasers and ultrasounds on the human body
	<b>Social competence</b>
<b>Contact</b> beata.grobelna@ug.edu.pl	