

Study program: Integrated academic studies of Pharmacy			
Type and level of the study program: integrated academic studies			
Course title: COSMETOLOGY (PhV-COSM)			
Teacher: Veljko S. Krstonošić			
Course status: compulsory			
ECTS Credits: 4			
Condition: Pharmaceutic technology II			
Course aim Introducing students to the basic properties of cosmetic products and features and components of the product phase. Introducing students to manufacture practice of cosmetic and dermatocosmetic products.			
Expected outcome of the course: Knowing the rules and characteristics of cosmetic raw materials, as well as the cosmetic products, types, forms, route of administration, methods of preparation and testing, as well as the effects produced by the skin and skin adnexa. The application of theoretical knowledge in practice. The use of different sources of information. Development of model systems and cosmetic products. Analysis of the cosmetic product.			
Course description <i>Theoretical education</i> 1. Introduction to the basics cosmetology. Development of cosmetics and cosmetology. The importance of cosmetology. 2. Definition, classification and standardization. Classification of row materials. 3. Cosmetic products ingredients. Active substances, emollients and humectants, surfactants, viscosity modifiers, antioxidants, vitamins, colorants, UV filters, natural extracts, preservatives. 4. The composite, function and skin types. 5. Classification of cosmetic products. 6. Care products and skin cleansers. Dermocosmetic products - cosmeceutics. Cosmetic emulsions. The products for the skin protection. 7. Sun protection products. 8. Deodorants and antiperspirants. 9. Preparations for the treatment of scalp and hair. Shampoos. Preparations for modelling and fixing. 10. Other cosmetic products. Items in contact with mucous membranes (mouth care and dental care, decoration of the lips, intimate hygiene). Make-ups: Colouring and beauty skin care, nail polishes. Beauty products for babies and the elderly. <i>Practical education: exercises, other forms of education, research related activities</i> 1. Preparations for skin care. Emulsion and non-emulsion creams. Preparation and analysis. 2. Gel type compositions. Preparation and analysis. 3. Preparations for cleansing the skin. Soaps. Preparation and analysis. 4. Hair care products. Shampoos. Preparation and analysis. 5. Preparations for sun protection. Preparation and analysis. 6. Preparations for the care of mouth, toothpastes. Preparation and analysis. 7. Lipsticks. Development and testing of lubricity.			
Literature <i>Compulsory</i> 1. D. Vasiljević, S. Savić, Lj. Đorđević, D..Krajišnik: "Practicum for cosmetology", Nauka, Belgrade, 2009. (translated selected chapters from Serbian into English) 2. G. Vuleta:"Cosmetology", Nauka, Belgrade, 1994. (translated selected chapters from Serbian) 3. M. Čajkovac: "Cosmetology", Zagreb, 2000. (translated selected chapters) <i>Additional</i> 4. A.O. Barel, M. Paye, H. I. Maibach: "Handbook of Cosmetic Science and Technology", Third Edition, Informa Healthcare USA, Inc, New York, 2009.			
Number of active classes			Other:
Lectures: 30	Practice: 30	Other types of teaching: Research related activities:	
Teaching methods Lectures and practical work.			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures	10	Written	
Practices		Oral	50
Colloquium	40	
Essay			