

### Specialist Academic Studies – Cosmetology

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Legislation on cosmetic products</b>
<b>Teachers:</b>	Savić D. Snežana, Lukić Ž. Milica
<b>Course status:</b>	Mandatory
<b>ECTS points:</b>	<b>4</b>
<b>Requirements:</b>	None
<b>Course aims:</b>	
To introduce the candidate with national and EU legislation on cosmetic products, with special emphasis on the production requirements, labelling, quality control, efficacy and safety.	
<b>Course outcomes:</b>	
The candidate has sufficient knowledge on the national and EU legislation (regulations, laws and other legal acts) related, in some parts or entirely, to cosmetic products. The candidate is competent to give an interpretation or explanation about demands that a cosmetic product has to fulfil in order to be placed on the market of the Republic of Serbia and European Union, which are relevant to its composition, conditions and methods of manufacturing, declaration/labelling, quality control and safety evaluation; candidate is familiar with documentation necessary to prepare a Product Information File, Cosmetic product safety report, as well as with the system of cosmetovigilance.	

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Efficacy and safety of cosmetic products</b>
<b>Teachers:</b>	Savić D. Snežana, Lukić Ž. Milica, Pantelić N. Ivana
<b>Course status:</b>	Mandatory
<b>ECTS points:</b>	<b>4</b>
<b>Requirements:</b>	None
<b>Course aims:</b>	
To introduce the candidate with legislation and guidelines on the efficacy and safety of cosmetic products, as well as the methods used for efficacy and safety assessment.	
<b>Course outcomes:</b>	
The candidate has sufficient knowledge on legal rules and requirements which are related to the efficacy and safety of cosmetic products, that have to be fulfilled before the product is placed on the market; the candidate is familiar with techniques and methodologies used in order to test product's efficacy and safety, and guidelines and recommendations for the conditions and methods of their evaluation. The candidate is skilled and has the knowledge required for evaluation of effects/undesirable effects that cosmetic product can cause on the skin/skin appendages, together with knowledge on biophysical parameters of the skin, which are indicators of products' efficacy, as well as methods and equipment used in these evaluations.	

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Cosmetic ingredients</b>
<b>Teachers:</b>	Savić D. Snežana, Krajišnik R. Danina, Lukić Ž. Milica
<b>Course status:</b>	Mandatory
<b>ECTS points:</b>	<b>7</b>
<b>Requirements:</b>	Legislation on cosmetic products
<b>Course aims:</b>	
To introduce the candidate to the properties and functions of ingredients of natural, semi-synthetic and synthetic origin that may be used for preparation/manufacturing of diverse cosmetic products according to the valid national and European legislation and relevant recommendations.	
<b>Course outcomes:</b>	
The candidate is familiar with the properties of cosmetic ingredients of natural, semi-synthetic and synthetic origin, their function in cosmetic products – in terms of their functionality and importance in the cosmetic product formulation as well as their significance for accomplishing the product's intended purpose and/or effects which certain cosmetic ingredient can exert	

on the skin/skin appendages. Also, the candidate has knowledge of groups of substances that can raise safety concerns for human health and the environment, together with the knowledge of their legal status in accordance with valid national and European legal acts.

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Formulation of cosmetic emulsions and gels</b>
<b>Teachers:</b>	Đekić M. Ljiljana, Krajišnik R. Danina
<b>Course status:</b>	Mandatory
<b>ECTS points:</b>	<b>8</b>
<b>Requirements:</b>	Legislation on cosmetic products, Cosmetic ingredients
<b>Course aims:</b>	
To educate the candidates on the formulation, properties, preparing and testing of cosmetic emulsions (creams and lotions) and gels for various applications (cleaning/washing, skin care and protection).	
<b>Course outcomes:</b>	
The candidate has necessary qualifications to perform the development of cosmetic emulsions and gels for various applications, and to make the selection of appropriate ingredients (cosmetic actives and excipients) for these products in adequate concentrations. The candidate is familiar with methods for quality and stability assessment of cosmetic emulsions and gels for various applications and is capable to prepare adequate protocols for quality and stability assessments of these groups of cosmetic products.	

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Cosmetic emulsions and gels for diverse applications</b>
<b>Teachers:</b>	Savić D. Snežana, Lukić Ž. Milica, Pantelić N. Ivana
<b>Course status:</b>	Mandatory
<b>ECTS points:</b>	<b>7</b>
<b>Requirements:</b>	Legislation on cosmetic products, Cosmetic ingredients
<b>Course aims:</b>	
Educating the candidates about the types, formulation, active substances, characteristics, cosmetic effects, specifics of preparation/manufacturing and assessment and safety aspects of cosmetic emulsions and gels of different applications - cleaning/washing, care and protection of skin and/or hair, teeth and oral cavity.	
<b>Course outcomes:</b>	
Knowledge of types and properties of cosmetic emulsions and gels for diverse applications (cleaning/washing, care and protection of skin and/or hair, teeth and oral cavity). Based on the obtained knowledge the candidate is able to make a responsible evaluation of the product's composition, can give recommendations/advice regarding expected product's effects and use, independently or in the combination with other products. Also, the candidate is familiar with the basic preparation/manufacturing principles of these products and methods used for assessment and testing of products quality, safety and efficacy and therefore is capable to approach the product development, from formulation, to preparation/manufacturing and quality, safety and efficacy assessment in accordance with valid guidelines/recommendations.	

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Cosmetic manufacturing</b>
<b>Teachers:</b>	Đekić M. Ljiljana, Krajišnik R. Danina, Lukić Ž. Milica
<b>Course status:</b>	Mandatory
<b>ECTS points:</b>	<b>5</b>
<b>Requirements:</b>	Formulation of cosmetic emulsions and gels, Cosmetic emulsions and gels for diverse applications
<b>Course aims:</b>	
To introduce the candidate to requirements of good manufacturing practice (cosmetic GMP) and recommendations of international standards (ISO) for production, control, storage and shipment of cosmetic products, and to obtain professional knowledge and skills necessary for implementing these requirements for quality assurance in cosmetic industry.	

<b>Course outcomes:</b>	
The candidate is familiar with demands for quality assurance in cosmetic product manufacturing (cosmetics - good manufacturing practice), which are related to staff (personnel), premises, cosmetic raw materials and packaging materials, equipment, production (manufacturing operating procedures), product's storage and shipment, quality control of materials and finished products, documentation and protocols for stability evaluation. This makes the candidate competent to organize and monitor the manufacturing process of a cosmetic product with defined characteristics, as well as to secure a high level of consumer protection and compliance with national and international legal norms for cosmetic products, and thus being in a position to place that product on local and international market.	

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Dermocosmetic preparations</b>
<b>Teachers:</b>	Savić D. Snežana, Lukić Ž. Milica, Pantelić N. Ivana
<b>Course status:</b>	Mandatory
<b>ECTS points:</b>	<b>5</b>
<b>Requirements:</b>	Formulation of cosmetic emulsions and gels, Cosmetic emulsions and gels for diverse applications
<b>Course aims:</b>	
To introduce the candidate to the legal/regulatory status of dermocosmetic products/cosmeceuticals and their application, active substances present in dermocosmetic preparations and types of these products, as well as their effects on the skin and its appendages and aspects of their safe use by the consumers/patients in care/protection of healthy skin /skin appendages, as well use in dermatological practice.	
<b>Course outcomes:</b>	
The candidate is familiar with active substances and excipients in the formulation of dermocosmetic products, i.e. materials for preparation/manufacturing of dermocosmetic products; types of dermocosmetic products by their intended purpose, effects and necessary aspects for their safe use; based on the obtained knowledge the candidate is able to make a responsible assessment on product's composition, give recommendations/advice about the expected effects of dermocosmetic products/cosmeceuticals and their use, independently or in the collaboration with other health care professionals, especially regarding dermocosmetic products used in dermatological practice.	

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Dermatology-selected chapters</b>
<b>Teachers:</b>	Savić D. Snežana, Lukić Ž. Milica
<b>Course status:</b>	Mandatory
<b>ECTS points:</b>	<b>5</b>
<b>Requirements:</b>	None
<b>Course aims:</b>	
The aim of the course is to introduce the candidate with the morphology of the most common skin changes and skin efflorescences, skin types from a cosmetologist's viewpoint and allergic skin reactions caused by cosmetic products, as well as the pathologically changed skin conditions where for the prevention and/or treatment cosmetic products are important.	
<b>Course outcomes:</b>	
The candidate is able to recognize the morphology and the clinical appearance of the basic skin changes, skin efflorescences in the level, above and below the level of the skin relevant from a cosmetologist's point of view; skin types; to give recommendations for the use of dermocosmetic and cosmetic products in the prevention and treatment of certain dermatoses; allergic skin reactions caused by cosmetic products and methodologies for skin testing on allergens.	

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Plant extracts in cosmetic products</b>
<b>Teachers:</b>	Petrović D. Silvana
<b>Course status:</b>	Elective
<b>ECTS points:</b>	<b>5</b>

<b>Requirements:</b>	Cosmetic ingredients
<b>Course aims:</b>	
To introduce the candidate to extraction methods, types, characteristics and effects of plant extracts on skin and hair, and their application in various cosmetic products.	
<b>Course outcomes:</b>	
The candidate is familiar with extraction methods, types of plant extracts, as well as active ingredients of plant extracts, relevant for different cosmetic products, their effects on the skin and hair, quality requirements and preparation procedures, in accordance with valid European standards, for plant extracts for organic and natural cosmetic products, basic principles of formulation development of cosmetic products with plant extracts and safety aspects of cosmetic products with herbal extracts.	

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Decorative cosmetics</b>
<b>Teachers:</b>	Đekić M. Ljiljana, Krajišnik R. Danina, Pantelić N. Ivana
<b>Course status:</b>	Elective
<b>ECTS points:</b>	<b>5</b>
<b>Requirements:</b>	Legislation on cosmetic products
<b>Course aims:</b>	
To introduce the candidate with the types, formulation, properties, cosmetic effects, manufacture and quality control of coloured/decorative cosmetics.	
<b>Course outcomes:</b>	
The candidate knows types of coloured/decorative cosmetics for skin care and decoration of the skin, lips, area around the eyes and nails; materials (cosmetic ingredients) and cosmetic effects of these products; and is capable to perform the development of these products. The candidate is familiar with the methods for quality and stability evaluation of coloured/decorative products and able to prepare necessary protocols for quality and stability assessments.	

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Dermocosmetic and dermatopharmaceutical preparations in pharmacy</b>
<b>Teachers:</b>	Đekić M. Ljiljana, Krajišnik R. Danina
<b>Course status:</b>	Elective
<b>ECTS points:</b>	<b>5</b>
<b>Requirements:</b>	Legislation on cosmetic products
<b>Course aims:</b>	
To introduce the candidate with similarities and differences between dermocosmetic and dermatopharmaceutical preparations which are present on the market or may be prepared in a pharmacy, particularly the ones used in therapy/treatment of pathological skin conditions (severely dry skin- ichthyosis, acrotic skin, rosacea, photoaged skin with hyperpigmentation), their ingredients/composition, formulation approaches, preparation procedures and expected effects.	
<b>Course outcomes:</b>	
The candidate is familiar with the legal acts regulating dermocosmetic products and legislation related to dermatopharmaceutical preparations. The candidate is able to identify the difference between dermocosmetic and dermatopharmaceutical preparations which can be used in therapy/treatment of the same pathological skin conditions (for example: dry and severely dry skin, acrotic skin, skin with rosacea, photoaged skin); to comprehend the composition of these preparations, the formulation and preparation procedures, as well as expected positive and potential side effects of their application; to provide advice to a patient/consumer on the use of dermocosmetic or dermatopharmaceutical preparations.	

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Cosmetic products for hair</b>
<b>Teachers:</b>	Đekić M. Ljiljana, Krajišnik R. Danina, Lukić Ž. Milica
<b>Course status:</b>	Elective
<b>ECTS points:</b>	<b>5</b>

<b>Requirements:</b>	Legislation on cosmetic products
<b>Course aims:</b>	
To introduce the candidate with the type of cosmetic products intended for hair care and styling and for chemical treatment of hair, selection of ingredients necessary for the formulation of these products, cosmetic effects, their preparation/manufacturing and assessment of quality, safety and effects exerted on hair and scalp.	
<b>Course outcomes:</b>	
The candidate knows types, cosmetic effects and ingredients of cosmetic products intended for hair care and styling and for chemical treatment of hair, obtained knowledge enables the candidate to deal with the formulation development. The candidate is familiar with the basic principles of preparation/manufacturing of cosmetic products for hair care and styling and products for chemical treatment of hair, as well as with the methods for quality control, evaluation of product's stability, safety and efficacy, and therefore is able to prepare necessary protocols for quality evaluation and testing.	

<b>Study programme:</b>	<b>Cosmetology</b>
<b>Course title:</b>	<b>Final work</b>
<b>Teachers:</b>	Savić D. Snežana, Đekić M. Ljiljana, Krajišnik R. Danina, Lukić Ž. Milica, Pantelić N. Ivana
<b>Course status:</b>	Elective
<b>ECTS points:</b>	<b>10</b>
<b>Requirements:</b>	All courses at the study program Specialist Academic Studies - Cosmetology
<b>Course aims:</b>	
Specialist final work has the aim to engage the candidate, independently and with the assistance of the mentor, to apply all of the obtained specific theoretical and methodological knowledge and skills gained throughout the lectures and practical courses, necessary for successful performance in the field of cosmetology. The aim is also to demonstrate the practical use of the obtained knowledge, along with the critical consideration and analysis, in certain fields like the formulation development of cosmetic products for diverse application; quality assurance in the preparation/manufacturing of cosmetic products; quality testing, safety and efficacy assessment of cosmetic product when applied to the skin and skin appendages.	
<b>Course outcomes:</b>	
Based on the knowledge and skills acquired through all the lectures and practical classes, the candidate is competent to gather the necessary professional/scientific literature in the field of interest and prepare a relevant literature review and/or perform certain experiments, write a final paper and present it in front of a competent commission. The candidate possesses necessary multidisciplinary approach to resolve specific challenges in the field of cosmetology and related disciplines (pharmacy, chemistry, dermatology), together with the ability to critically assess data from the areas related to cosmetic ingredients/materials; research and development of cosmetic ingredients and formulations; quality assurance in the preparation/manufacturing of cosmetic products; preparation and evaluation of Product information files; efficacy and safety aspects of cosmetic products; cosmetovigilance; proper selection and use of cosmetic products.	