



Syllabus Cosmetology

1. General Information	
Faculty	Medical No 1
Programme	22 Healthcare, 222 General Medicine, the second (master) level of higher education
Subject	“Cosmetology” B5 1.54. https://new.meduniv.lviv.ua/kafedry/kafedra-dermatologiyi-venereologiyi/
Department	Department of Dermatology, Venereology 70013, Lviv, 1 Konovalets str., +38 (032) 2385637; Kaf_dermatology@meduniv.lviv.ua
Head of Department	prof. Syzon Orysyia, MD syzon-orysya@ukr.net
Year	2023 - 2024
Semester	VII or VIII semesters
Type of the Subject	Optional
Professors	prof. Syzon Orysyia, PhD, MD (syzon-orysya@ukr.net) assoc. prof. Babak Iryna, PhD (irena.dmytrivna@gmail.com) assoc. prof. Voznyak Iryna, PhD (voznaki@gmail.com) assoc. prof. Dashko Marianna, PhD (mariannadashko@gmail.com) assoc. prof. Astsaturov Hennadij, PhD (h.astaturov@gmail.com) assist. prof. Chaplyk-Chyzho Iryna, PhD (chch20.iryina@gmail.com) assist. prof. Diskovskij Ivan, PhD (diskovskuy@gmail.com) assist. prof. Protsak Vitaliy, PhD (protsak@yahoo.com)
Erasmus	No
Responsible for Syllabus	assoc. prof. Voznyak Iryna, PhD (voznaki@gmail.com)
Credits ECTS	2,0
Hours	Total – 60 h, Practical classes – 26 h, Individual work – 34 h.
Language of Instruction	English
Consultations	According to the schedule
Clinical Base	Department of Dermatology, Venereology, 70013, Lviv, 1 Konovalets str., +38 (032) 2385637; Public Non-Commercial Enterprise of the Lviv Regional Council “Lviv Regional Dermato-Venereology Dispensary”; working hours: Monday – Friday 8:00 - 19:00.
2. Brief review of the subject	
<p>Elective course “Cosmetology” is aimed at improving theoretical and practical knowledge, skills, professional qualification in skin and venereal diseases, in particular cosmetology. Mastering of the course includes principles of work and application of machine and instrumental methods in cosmetology, wide spectrum of cosmetic procedures (application of lasers, botulinum toxin, fillers, etc., methods of cryo biostimulation, dermatosurgery, physiotherapy, balneotherapy, cosmetic surgery etc.), healthy skin care in different skin types and age as well as in the presence of dermatological pathology. The course syllabus includes study of composition and functions of the skin, mucous membranes, hair and nails, cosmetic diseases of the skin, their diagnostics, treatment and prophylaxis as well as infectious diseases, such as complications of cosmetic procedures. The discipline provides fundamentals of healthy lifestyle and prophylaxis of infecting with venereal diseases and contagious dermatoses.</p>	
3. Aim of the Subject	
<p>3.1. The aim of elective course “Cosmetology” is formation of systemic medical knowledge and skills on etiology, pathogenesis, clinical manifestations of different cosmetic pathologies and learning of modern approaches to diagnostics, treatment or application of appropriate prophylactic measures.</p> <p>3.2. The main tasks of the discipline "Cosmetology" are:</p> <p>Definition of the elective subject “Cosmetology”, explanation of physiological and morphological peculiarities of skin and mucous membranes in body functioning under normal conditions and in various pathological conditions. Knowledge of dermatological terms: peculiarities of present rashes, their localization, nature and interposition. Mastering of examination methods of dermatological patients with proper attention to present cosmetic pathology. Study of basic methods of therapy and prophylaxis of cosmetic diseases considering skin type and age peculiarities. Determination of factors that promote development of skin, hair and nail diseases. Ability of compiling anamnesis of life and disease in a particular patient quickly and effectively and based on deontological ethics.</p>	

Determination of peculiarities of skin rashes in different age groups.

Peculiarities of determining ways and possible conditions of infecting with pyogenic flora, mycoses and viruses during cosmetic manipulations.

3.3. In accordance with the requirements of the Standard of Higher Education, discipline ensures students' acquisition of **competences**:

- *integral*:

The discipline provides ability to apply acquired general and special competencies for solving complex tasks of professional activity and practical problems in health care in a certain position, application of which is determined by a list of syndromes and symptoms of diseases, emergencies, physiological conditions and diseases, which require special tactics of patient management; laboratory and instrumental investigations, medical manipulations; issues of occupational, forensic and military expertise and/or implementation of innovations. Ability to continue learning with a high degree of autonomy.

- *general (GC)*:

GC 1. The ability to abstract thinking and analysis;

GC 2. The ability to learn and acquire modern knowledge.

GC 3. Ability to apply knowledge in practical situations.

GC 4. Knowledge and understanding of the subject area and understanding of the professional activities.

GC 5. Ability to adapt and act in a new situation.

GC 6. Ability to take a reasonable decisions

GC 7. Ability to work in a team.

GC 8. Interpersonal skills.

GC 10. Skills in the use of information and communication technologies.

GC 11. Ability to search, process and analyze information from various sources.

GC 12. Determination and persistence in relation to assigned tasks and assumed responsibilities.

- *special (professional, substantive) (SC)*:

SC 1. Patient interviewing skills, skills of examination of the patient and analyze clinical data.

SC 2. Ability to determine the required list of laboratory and instrumental research and evaluation of their results.

SC 3. Ability to establish a preliminary and clinical diagnosis of the disease.

SC 4. Ability to determine the required regime of work and rest in the treatment and prevention of dermatological diseases.

SC 5. Ability to determine the principles of nutrition in treatment and prevention of diseases.

SC 6. Ability to determine the principles and nature of treatment and prevention of skin and venereal diseases.

SC 7. Ability to diagnose emergency conditions in dermatovenerology.

SC 8. Ability to determine the tactics of emergency medical care.

SC 10. Skills of medical manipulations.

SC 13. Ability to conduct sanitary and preventive measures.

SC 14. Ability to plan and carry out preventive and anti-epidemic measures against infectious diseases.

SC 15. Ability to carry out a work capacity examination.

SC 16. Ability to keep medical records, including electronic forms.

SC 17. Ability to assess the impact of the environment, socio-economic and biological determinants on the health of the individual, family, population.

SC 24. Compliance with ethical principles when working with patients.

SC 25. Observance of professional and academic integrity, bear responsibility for the reliability of the obtained scientific results.

4. Preliminary requirements

the discipline "Cosmetology":

- is based on the knowledge, previously acquired by masters, in anatomy, histology, normal and pathological physiology, medical biology, microbiology and other morphological disciplines and it is integrated with these disciplines;

- Cosmetology as a part of Dermatology, Venereology, is associated with other medical specialties: infectology (STI, transmissive viral and parasitic diseases of the skin and skin appendages), toxicology (toxicodermia, pseudoporphyria and other toxic reactions), hematology (skin manifestations of polycythemia), rheumatology (systemic collagenosis, vasculitis), endocrinology (skin changes in diabetes mellitus, hypothyroidism, hyperthyroidism), oncology (melanomas and other tumors of the skin and its appendages), with neurology (neurodermatitis, genetically caused neuro-skin syndromes), allergology (Lyell's syndrome, Stevens-Johnson syndrome, urticaria, angioneurotic edema and other allergic reactions to drugs), dental disciplines (cheilitis, precancerous and cancer oral mucous membranes), psychiatry (trychotilomania, pathomimia).

5. Programme Results (PR) of the Course

PR1. To have a thorough knowledge of the structure of professional activity. To be able to carry out professional activities that require updating and integration of knowledge. To be responsible for professional development, the ability for further professional training with a high level of autonomy.

PR2. Understanding and knowledge of fundamental and clinical biomedical sciences, at a level sufficient for solving professional tasks in the field of health care.

PR3. Specialized conceptual knowledge, which includes scientific achievements in the field of health care and is the basis for conducting research, critical understanding of problems in the field of medicine and related interdisciplinary problems.

PR4. To identify leading clinical symptoms and syndromes; according to standard methods, using preliminary data of the patient's history, data of the patient's examination, knowledge about the person, his organs and systems, to establish a preliminary clinical diagnosis of the disease.

PR5. To collect complaints, history of life and diseases, evaluate psychomotor and physical development of an adult patient and child, the state of organs and body systems, based on the results of laboratory and instrumental studies, evaluate information about the diagnosis, taking into account the age of the patient.

PR6. To establish a final clinical diagnosis by making a reasoned decision and analyzing the received subjective and objective data of clinical, additional examination, carrying out differential diagnosis, observing the relevant ethical and legal norms, under the control of the head physician in the conditions of a health care institution .

PR7. To prescribe and analyze additional (mandatory and optional) examination methods (laboratory, functional and/or instrumental) of patients with diseases of organs and body systems for differential diagnosis of diseases.

PR9. To determine the nature and principles of treatment (conservative, operative) of patients with diseases, taking into account the age of the patient, in the conditions of a health care institution, outside its borders and at the stages of medical evacuation, including in field conditions, on the basis of a preliminary clinical diagnosis, observing the relevant ethical and legal norms, by making a reasoned decision according to existing algorithms and standard schemes, in case of the need to expand the standard scheme, be able to substantiate personalized recommendations under the control of the head physician in the conditions of a medical institution.

PR10. To determine the necessary mode of work, rest and nutrition on the basis of the final clinical diagnosis, observing the relevant ethical and legal norms, by making a reasoned decision according to existing algorithms and standard schemes.

PR18. To determine the state of functioning and limitations of a person's vital activities and the duration of incapacity for work with the preparation of relevant documents, in the conditions of a health care institution, based on data on the disease and its course, peculiarities of a person's professional activity, etc. Maintain medical documentation regarding the patient and the contingent of the population on the basis of regulatory documents.

PR19. To plan and implement a system of anti-epidemic and preventive measures regarding the occurrence and spread of diseases among the population.

PR20. To analyze the epidemiological situation and carry out mass and individual, general and local prevention of infectious diseases.

PR21. To search for the necessary information in the professional literature and databases of other sources, analyze, evaluate and apply this information.

PR23. To assess the impact of the environment on the state of human health to assess the state of morbidity of the population.

PR24. To organize the required level of individual safety (own and the persons they care about) in case of typical dangerous situations in the individual field of activity.

PR25. To convey clearly and unambiguous one's own knowledge, conclusions and arguments on health care problems and related issues to specialists and non-specialists.

List of Programme Results

The code is created when filling in the syllabus (category: GC - general competences; SC - special competences; Kn - knowledge, Ab - ability, C - competence, AR - autonomy and responsibility)	Programme Results determine that the student must know, understand and be able to perform, after completing the discipline. Programme Results follow from the set learning goals. To enroll in the discipline, it is necessary to confirm the achievement of each learning outcome.	Matrix of the Program Results (PR) Code in the Higher Education Standard
GC 1	The ability to abstract thinking and analysis;	PR 1- 10, 14, 17 - 19, 21 -24
Kn 1	To know the current trends in the cosmetology industry and indicators that characterize them.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 1	To be able to conduct analysis of professional information, make sensible decisions, acquire contemporary knowledge.	PR 1- 10, 14, 17 - 19, 21 -24
C 1	To establish proper relationships to achieve goals.	PR 1- 10, 14, 17 - 19, 21 -24
AR 1	To be responsible for timely acquiring of knowledge.	PR 1- 10, 14, 17 - 19, 21 -24
GC 2	The ability to learn and possess modern information and communication technologies.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 2	To know the features of the professional activity of a dermatovenereologist, cosmetologist.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 2	To be able to perform professional practice, which requires innovations and integration of knowledge.	PR 1- 10, 14, 17 - 19, 21 -24

C 2	To form communication strategy in professional activity.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 2	To be responsible for continuing development with high level of autonomy.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
GC 3	Ability to apply knowledge in practical situations.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Kn 3	To know the methods of implementing knowledges in solving practical problems.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Ab 3	To be able to use professional knowledges to solve practical problems.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 3	Clear and unambiguous communication reports of own conclusions, knowledges and explanations that are substantiated for specialists and non-specialists.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 3	To be responsible for making decisions in difficult conditions.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
GC 4	Knowledge and understanding of the subject area and understanding of the professional activities.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Kn 4	To have deep knowledge of the professional activity structure.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Ab 4	To be able to perform professional practice, which requires innovations and integration of knowledge.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 4	Ability to effectively form a communication strategy in professional activities.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 4	To be responsible for professional development, ability to further professional training with a high level of autonomy.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
GC 5	Ability to adapt and act in a new situation.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Kn 5	To be able to adjust and act in a new situation.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Ab 5	To be able to use professional knowledges to adapt and act in a new situation.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 5	To establish proper relationships to achieve goals.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 5	To be responsible for quality of professional tasks performed in a new situation.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
GC 6	Ability to take a reasonable decisions.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Kn 6	Thoroughly know the subject and the problem to choose the necessary strategy and tactics for making an adequate decision.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Ab 6	Be able to make an informed decision.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 6	To be able to make an informed decision and communicate with individuals of certain structures, agencies for its implementation.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 6	To be responsible for choosing a reasonable decision and its implementation.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
GC 7	Ability to work in a team.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Kn 7	To know the ways of collective interaction while working in a team.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Ab 7	To be able to use knowledge to choose a communication strategy of collective interaction.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 7	To form with certain ways and strategies of communication to ensure effective teamwork.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 7	To be responsible for teamwork results.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
GC 8	Interpersonal skills.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Kn 8	To know the strategies and tactics of interpersonal communication and interaction.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Ab 8	To be able to choose strategies and ways of interpersonal communication and interaction to ensure effective work and the best result.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 8	Be able to achieve the intended goal through the use of the best strategies and ways of interpersonal communication and interaction.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>

AR 8	To be responsible for the formation of adequate interpersonal communication and interaction.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
GC 10	Skills in the use of information and communication technologies.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Kn 10	To know necessary knowledge in the field of information technologies, used in professional activity.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Ab 10	To be able to use information and communication technologies in a professional field that requires updating and integration of knowledges.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 10	To use information and communication technologies in professional activities.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 10	To be responsible for the development of professional knowledge and skills.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
GC 11	Ability to search, process and analyze information from various sources.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Kn 11	Know the responsibilities and ways of performing assigned tasks	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Ab 11	To be able to determine the goal and task, to be persistent and conscientious in the performance of duties	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 11	Establish interpersonal relationships for effective performance of tasks and responsibilities	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 11	To be responsible for the high-quality performance of assigned tasks	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
GC 12	Definiteness and perseverance in terms of tasks and responsibilities.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Kn 12	To assess level of hazard while performing professional tasks.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Ab 12	To be able to set goals and objectives, to be persistent and conscientious in the performance of duties.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 12	To establish interpersonal relationships to effectively perform tasks and responsibilities.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 12	To be responsible for the quality of tasks.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
SC 1.	Patient interviewing skills, skills of examination of the patient.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Kn 1	To know the main rules of patient interviewing, examination of the patient.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Ab 1	To be able to record and interpret complaints, anamnesis of diseases and life, to conduct physical examination of cosmetological patient.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 1	To form effectively a communication strategy with patients. To enter information about the patient's health in the relevant medical records.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 1	To take responsibility for accuracy of anamnesis record, conduction of examination and detection of the main risk factors for development of skin cosmetological conditions.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
SC 2.	Ability to determine the required list of laboratory and instrumental research and evaluation of their results.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Kn 2	To know special dermatological methods of examining patients (palpation, diascopy, isomorphic skin reaction, dermatography, pilomotor reflex, skin allergy tests); laboratory methods of diagnostics (general and special).	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
Ab 2	To know a technique of conducting diagnostic tests (examination of patients with Wood's lamp, sebometry, dermatoscopy, trichoscopy etc.), collection of material for further laboratory study; to assess and interpret the obtained results.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 2	To prescribe laboratory and/or instrumental examination, perform differential diagnostics of dermatoses.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 2	To be responsible for accuracy of performing stages of examination of a dermatological patient and conduction of additional examination methods.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
SC 3.	Ability to establish a preliminary and clinical diagnosis of the disease.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>

Kn 3	To know the standard methods of examination; stages of diagnostic process, algorithms of diagnostics of cosmetic diseases; algorithms for isolating leading symptoms or syndromes, making preliminary and clinical diagnoses.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 3	To be able to make preliminary and clinical diagnoses based on algorithms for diagnosing dermatocosmetological pathology.	PR 1- 10, 14, 17 - 19, 21 -24
C 3	To keep medical records of the patient.	PR 1- 10, 14, 17 - 19, 21 -24
AR 3	To be responsible for accuracy of taking the reasonable decisions on preliminary and clinical diagnoses.	PR 1- 10, 14, 17 - 19, 21 -24
SC 4.	Ability to determine the required mode of work and rest during treatment diseases.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 4	To know the basic methods of treatment of dermatoses in adults and children with spa and physiotherapy methods.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 4	To be able to apply topical remedies (poultices, pastes, ointments etc.). Technique of UV radiation of the skin.	PR 1- 10, 14, 17 - 19, 21 -24
C 4	To determine tactics of management of patients with skin diseases.	PR 1- 10, 14, 17 - 19, 21 -24
AR 4	To be responsible for having knowledges at an adequate level concerning basic principles and methods of treating patients with cosmetological disorders. To have knowledges about classification of cosmetological equipment.	PR 1- 10, 14, 17 - 19, 21 -24
SC 5.	Ability to determine the principles of nutrition in treatment of diseases.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 5	To have knowledge of the main types, classification of indications for therapeutic nutrition.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 5	To be able to prescribe a proper medical nutrition for various cosmetic problems.	PR 1- 10, 14, 17 - 19, 21 -24
C 5	To form and clearly inform the patient the basic principles of nutrition necessary to optimize the treatment and prevention of dermatoses.	PR 1- 10, 14, 17 - 19, 21 -24
AR 5	To be responsible for accuracy of prescribing a proper medical nutrition.	PR 1- 10, 14, 17 - 19, 21 -24
SC 6.	Ability to determine the principles and nature of treatment of diseases.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 6	To know the main principles and nature of treatment of diseases.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 6	To be able to determine the treatment principles and nature in a cosmetological clinic.	PR 1- 10, 14, 17 - 19, 21 -24
C 6	To determine basic principles of treating patients according to their diagnosis.	PR 1- 10, 14, 17 - 19, 21 -24
AR 6	To be responsible for having knowledges at an adequate level concerning basic principles and methods of treatment.	PR 1- 10, 14, 17 - 19, 21 -24
SC 7.	Ability to diagnose emergencies.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 7	To have professional knowledge of the main manifestations of emergencies (anaphylactic shock, embolism, etc.) that may develop during cosmetological manipulations.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 7	To be able to diagnose correctly an emergency conditions, assess the required amount of medical care.	PR 1- 10, 14, 17 - 19, 21 -24
C 7	To make an informed decision to assess the severity of the person's condition, diagnosis and organization of the necessary medical measures depending on the patient's condition.	PR 1- 10, 14, 17 - 19, 21 -24
AR 7	To be responsible for accuracy of diagnosing emergencies.	PR 1- 10, 14, 17 - 19, 21 -24
SC 8.	Ability to determine the tactics of emergency medical care.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 8	To have knowledges of providing professional medical care in emergencies (anaphylactic shock, embolism, etc.) that may develop during cosmetological manipulations.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 8	To be able to determine the tactics of emergency medical care in emergencies that may occur in the practice of a doctor - dermatocosmetologist.	PR 1- 10, 14, 17 - 19, 21 -24

C 8	To explain the necessity and algorithm of the emergency medical care tactics in emergencies that may occur in the practice of a doctor - dermatocosmetologist.	PR 1- 10, 14, 17 - 19, 21 -24
AR 8	To be responsible for having knowledge at an adequate level concerning basic principles and methods of the emergency medical care.	PR 1- 10, 14, 17 - 19, 21 -24
SC 10	Skills of medical manipulations.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 10	To know the methods and techniques of diagnostic and therapeutic manipulations that can be used in cosmetology (cryotherapy, electrotherapy, etc.).	PR 1- 10, 14, 17 - 19, 21 -24
Ab 10	Different methods and techniques of diagnostic and therapeutic manipulations that can be used in cosmetology.	PR 1- 10, 14, 17 - 19, 21 -24
C 10	To form and make conclusions about the necessity of a certain needed amount of medical manipulations.	PR 1- 10, 14, 17 - 19, 21 -24
AR 10	To be responsible for accuracy of cosmetological procedures conducting.	PR 1- 10, 14, 17 - 19, 21 -24
SC 13.	Ability to conduct sanitary and preventive measures.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 13	To know the methods of sanitary and preventive measures of contagious diseases during cosmetic procedures, the promotion of a healthy lifestyle.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 13	Implementation of primary prevention measures system based on the patients` health status data.	PR 1- 10, 14, 17 - 19, 21 -24
C 13	To decide on conducting sanitary and preventive measures.	PR 1- 10, 14, 17 - 19, 21 -24
AR 13	To be responsible for organization of sanitary and preventive measures.	PR 1- 10, 14, 17 - 19, 21 -24
SC 14.	Ability to plan and carry out preventive and anti-epidemic measures against infectious diseases.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 14	To have sufficient knowledge in prevention of dermatological infectious diseases.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 14	To carry out early diagnosis of dermatological contagious diseases.	PR 1- 10, 14, 17 - 19, 21 -24
C 14	To decide on the organization of anti-epidemic measures in the foci of infectious diseases.	PR 1- 10, 14, 17 - 19, 21 -24
AR 14	To be responsible for having knowledge at an adequate level concerning basic principles and methods of prophylaxis and prevention of spread of infectious diseases.	PR 1- 10, 14, 17 - 19, 21 -24
SC 15.	Ability to conduct an efficiency examination.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 15	To know the basis of an efficiency examination.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 15	Be able to determine the temporary and permanent efficiency that may occur due to dermatological disease.	PR 1- 10, 14, 17 - 19, 21 -24
C 15	To take a decision of temporary and permanent efficiency that may occur due to dermatological disease.	PR 1- 10, 14, 17 - 19, 21 -24
AR 15	To be responsible for taking a decision of temporary and permanent efficiency that may occur due to dermatological disease.	PR 1- 10, 14, 17 - 19, 21 -24
SC 16.	Ability to keep medical records.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 16	To know the structure of the dermatovenereological service.	PR 1- 10, 14, 17 - 19, 21 -24
Ab 16	To know how to record documents necessary for a dermatocosmetologist`s practice (case history, patient`s medical chart, medical disability certificate, reports etc.).	PR 1- 10, 14, 17 - 19, 21 -24
C 16	Ability of search, elaboration and analysis of information from different sources.	PR 1- 10, 14, 17 - 19, 21 -24
AR 16	To be responsible for timely acquiring of knowledge.	PR 1- 10, 14, 17 - 19, 21 -24
SC 17.	Ability to assess the impact of the environment, socio-economic and biological determinants on the health of the individual, family, population.	PR 1- 10, 14, 17 - 19, 21 -24
Kn 17	To know the main factors of the environment, socio-economic and biological determinants on the patient health.	PR 1- 10, 14, 17 - 19, 21 -24

Ab 17	To be able to determine the main factors of the environment, socio-economic and biological determinants on the patient health.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
C 17	To establishing causes and trigger factors of dermatoses` aggravation.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>
AR 17	To be responsible for the quality of identification and provision of recommendations for the elimination of factors that contribute to the occurrence and diseases worsening.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>

6. Form and scope of the course

Course format (full-time or part-time)	Full-time	
Type of classes	Q-ty of hours	Number of groups
Lectures (L)	0	According to the Schedule
Practical classes (P)	26	
Self educational work (SW)	34	

7. Topics and content of the course

Class type and code	Topic	Class content	Educational result code	Professor
P-1	History of dermatology and venereology development. Anatomy, histology and physiology of skin and mucous membranes. The main types of skin, their characteristics. Age characteristics of the skin. The influence of various factors on the skin and visible mucous membranes. Methods of examination of skin, its appendages, mucous membranes. The correction of skin defects. Elements of skin rash.	Short historical essays of the history of Cosmetology. Ukrainian and world Dermatological school. Lviv Dermatological School. The anatomy, histological structure of skin, its appendages and oral mucosa The nature of functional properties of skin, its age and sex characteristics. Fundamentals of skin diseases diagnosis.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
P-2	The concept of skin tumors. Clinical course, diagnostic and prevention methods.	Notions about Melanocytic naevus. Basic variations of a clinical course of skin neoplasms, Principles, technique, assessment scale ABCDE. The concept of juvenile melanoma (Spitz nevus, Setton's halonevus), congenital melanocyte nevus, dysplastic melanocyte nevus. Classification of neoplasms with a benign course, the concept of tumors of the skin appendages, vascular tumors, the concept of precancerous skin lesions. The main clinical manifestations of neoplasms with a benign course. The concept of melanoma, clinical forms, the role of early diagnosis. Precancerous diseases of the oral mucosa.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
P-3	Sebaceous gland dysfunction. Seborrhea, acne, perioral dermatitis.	Modern notions about sebaceous and sweat glands dysfunction, factors that may contribute to their occurrence. Sebaceous and sweat glands diseases classification; modern	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule

		concepts of etiopathogenesis, clinical manifestations, clinical, laboratory and diagnostic criteria for these diseases; methods, principles of treatment, prevention of the sebaceous and sweat glands dysfunction.		
P-4	Dyschromia. Clinical varieties and course.	Dyschromia classification, modern concepts of etiopathogenesis; pathomorphological changes in the skin with dyschromia, clinical forms; clinical and laboratory diagnostic criteria for these diseases; methods, principles of treatment, prevention.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
P-5	Hair diseases: dystrophies and hypertrichosis, alopecia. Nail diseases, care and treatment.	Modern approach to skin physiology; risk factors of development and progression of hair and nail diseases; clinical peculiarities of alopecia; diagnostics of hair and nail diseases; peculiarities of differential diagnostics of alopecia and other hair diseases; treatment algorithm; peculiarities of hair and nail care.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
P-6	Skin and cosmetic stigmas in case of chronic infections, systemic diseases. Photo -, phyto – and allergodermatoses. Skin manifestations of COVID – 19.	Skin and cosmetic stigmas in diffuse disease of the skin, endocrinopathies, pathologies of the intestines, photo- and phyto dermatoses, allergic dermatoses; factors that affect the course of these diseases; systemic signs of diseases; principles and peculiarities of dermatological tests, which help to determine diseases; general principles of differential diagnostics; general principles of treatment and prophylaxis in these diseases.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
P-7	General concepts of types of cosmetic procedures: cleaning of the face, cosmetic masks, massage in cosmetology. Indications and contraindications. Allergic reactions in cosmetic practice.	Modern notions about cosmetic procedures, factors that affect skin condition, indications and contraindications for face cleansing and cosmetic peeling; types of cosmetic masks by functional influence on the skin. Application of masks for different skin types. Indications and contraindications, general physiological basics of massage. Conditions and requirements for conduction	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule

		of cosmetic, curative and plastic massage; allergic reactions to cosmetic procedures and cosmetic products.		
P-8	Methods of cosmetic defects' correction of the skin: physical (diathermocoagulation, cryotherapy, thermotherapy, laser therapy, dermabrasion), chemical (mesotherapy, peeling, biorevitalization). The rules of deontology.	Basic methods of cosmetic correction of skin defects, technique of conducting cosmetic procedures; indications and contraindications for cosmetic correction, side effects and complications of cosmetic procedures, necessary equipment and medications required for conduction of cosmetic procedures.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
P-9	General concepts of types of plastic surgery on the face, body. Prevention of viral complications during cosmetic procedures.	General notions of history of plastic surgery; peculiarities of plastic operations on the face; peculiarities of plastic surgeries on mammary glands; notion of liposuction, lipofilling, abdominoplasty; notion of intimate plastic surgery; notion of cruroplasty; notion of scars and their correction; notion of tattoos and their correction.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
P-10	Medications forms and their use in cosmetology. Decorative cosmetics. Credit.	Remedies and forms of their application in cosmetology for skin and hair care; determination of terms and notions in cosmetology: infusions and decoctions, tinctures, poultice, cosmetic ice; biologically active substances in cosmetology, definition, action; characteristics of active substances of medicinal plants in cosmetology.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
SW-1	The influence of environmental factors and lifestyle on skin condition.	The main principles of modern methods of cosmetic skin and hair care in the fight against the negative influence of the external environment.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
SW-2	Precancerous skin diseases.	The concept of precancerous lesions of the skin and mucous membranes. The main clinical manifestations, the role of early diagnosis, methods of treatment.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
SW-3	Dermatological aspects of cosmetic care for problem skin.	Fundamentals of modern methods of cosmetic skin and hair care.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
SW-4	Repigmentation of the skin and hair in case of dyschromia.	Concept of methods of repigmentation of skin and hair. Advantages and disadvantages.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule

SW-5	Modern methods of alopecia treatment of various genesis.	Modern methods of alopecia treatment of various genesis.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
SW-6	Skin and cosmetic stigmas in case of chronic infections, systemic diseases.	Skin and cosmetic stigmas in diffuse diseases of the skin, endocrinopathies, pathologies of the intestine, photo- and phyto dermatoses, allergic dermatoses.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
SW-7	Photo- and phyto- dermatoses. Allergic reactions in cosmetic practice.	Allergodermatoses (dermatitis, toxicoderma, eczema, atopic dermatitis): modern views on etiopathogenesis, management of patients, guidelines.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
SW-8	Methods of cosmetic skin defects correction.	Basic methods of cosmetic correction of skin defects, technique of conducting cosmetic procedures; indications and contraindications for cosmetic correction, side effects and complications of cosmetic procedures, necessary equipment and medications required for conduction of cosmetic procedures.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
SW-9	Types of plastic surgery on the face and body.	General notions of history of plastic surgery; peculiarities of plastic operations on the face; peculiarities of plastic surgeries on mammary glands; notion of liposuction, lipofilling, abdominoplasty; notion of intimate plastic surgery; notion of cruroplasty; notion of scars and their correction; notion of tattoos and their correction.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule
SW-10	Topical steroids: use in dermatology, indications, contraindications, possible complications and methods of their prevention.	Glucocorticosteroids for systemic and local use: use in dermatology, indications, contraindications, possible complications and methods of their prevention.	<i>PR 1- 10, 14, 17 - 19, 21 -24</i>	According to the Schedule

The system of organization of classes, the use of interactive methods

Traditional teaching methods are used in studying the discipline “Cosmetology”: verbal, visual, practical; as well as methods of educational and cognitive activity: explanatory and illustrative, reproductive, problematic methods, partially exploratory, research method. The methods of control, which are teaching methods, include lecturer’s control, self-control, mutual control, self-correction and mutual correction.

Multimedia and tables available at the department are used during lectures to transfer and help acquire necessary knowledge.

Textbooks, methodological guides for Masters, methodical materials on the class theme, handouts, moulages, microsections, demonstration of slides, and certain means of instrumental diagnostics for development of practical skills, situational tasks are used during practical classes to transfer and help acquire necessary knowledge. Interactive technologies are used during every class: educational films, photo tasks, quizzes on each theme etc.

Masters’ individual work includes preparation for practical classes and learning of certain themes, which constitute a part of practical classes or are referred to self-study section. Therefore, educational textbooks, methodological guides etc. have been compiled.

All necessary materials (theses and presentations of lectures, methodological guides, and standardized documents) are presented on an information platform of Danylo Halytsky Lviv National Medical University – MISA.

8. Verification of results

Continuous control

Continuous control is carried out during each practical according to the specific objectives for each topic. The learned topic of each thematic module covered during semester is assessed with marks per the traditional 4-graded scale: 5-points, 4-points, 3-points, 2-points. Assessment forms of continuous educational activity must be standardized and include control of theoretical and practical training. The learned topic of each thematic module covered during semester is assessed with marks per the traditional (national) 4-graded scale, which are then converted into points. It takes into account all types of work provided by the discipline program. The student should receive an assessment from each topic for further conversion of marks into points on a multi-point (200-point) scale.

Code of the results of studies	Code of the class type	Method of verifying of the results of studies	Criteria for passing
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<p><i>general: Kn - 1 – 8, 10 – 12, Ab -1 – 8, 10 – 12, C -1 – 8, 10 – 12, AR 1 – 8, 10 – 12;</i> <i>special: Kn - 1 – 8, 10, 13 - 17, 24, 25, Ab 1 – 8, 10, 13 - 17, 24, 25, C - 1 – 8, 10, 13 - 17, 24, 25, AR - 1 – 8, 10, 13 -17, 24, 25.</i></p>	<p><i>P-1, P-2, P-3, P-4, P-5, P-6, P-7, P-8, P-9, P-10</i> <i>SW-1, SW-2, SW-3, SW-4, SW-5-10.</i></p>	<p>Written tests, oral examination, practical skills</p>	<p>5 “excellent” – the Master acquired theoretical material of the class theme perfectly, demonstrates profound and extensive knowledge on the theme, basic rules of scientific literature sources and recommended references, thinks and responds logically, freely uses acquired theoretical knowledge for analysis of practical material, expresses his/her attitude to certain problems, demonstrates high level of acquiring practical skill;</p> <p>4 “good” – the Master acquired theoretical material of the class theme well, demonstrates basic aspects from literature sources and recommended references, can substantiate the material; possesses practical skills, expresses his/her opinion on certain problems, but makes some mistakes and speaks with ambiguities while presenting theoretical content or performing practical skills;</p> <p>3 “satisfactory” – the Master acquired theoretical knowledge of the class theme in general, is acquainted with literature sources and recommended references, but answers unconvincingly, speaks with ambiguities, feels unconfident if asked additional questions, demonstrates lack of stable knowledge, cannot assess facts and phenomena associated with future activity, makes mistakes while performing practical skills;</p> <p>2 “unsatisfactory” – the Master did not learn educational material of the theme, does not know scientific facts, definitions, is hardly acquainted with literature sources and recommended references, scientific reasoning is absent, practical skills are not formed.</p> <p><u>Criteria for test assessment:</u> <i>Excellent</i> – the Master did 95-100 % of the suggested tests correctly! <i>Good</i> – the Master did 80-94 % of the suggested tests correctly; <i>Satisfactory</i> – the Master did 60.5-79 % of the suggested tests correctly; <i>Unsatisfactory</i> – the Master did less than 60.5 % of the suggested tests correctly;</p> <p><u>Criteria for assessment of situational tasks:</u> <i>Excellent</i> – the Master completely learned theoretical material of the class theme, can link theory and practice, thus, can solve complicated situational tasks. <i>Good</i> – the Master learned theoretical material of the theme well, correctly uses theoretical knowledge in solving situational tasks of average difficulty. <i>Satisfactory</i> – the Master learned only basic material without details, solves only the easiest tasks, makes mistakes and indistinct statements, and is inconsistent in presenting reports. <i>Unsatisfactory</i> – the Master does not know a considerable part of theoretical material of the class theme, makes significant mistakes, does not solve a situational task.</p>
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			<p><u>Criteria for assessment of a set of open questions:</u> A task includes five open questions on the theme of the practical class. Maximum points are three, which are included in the total score of a test task.</p> <p><u>Criteria for assessment of practical skills:</u> <i>Excellent</i> – the Master completely performs practical skills, can link theory and practice. <i>Good</i> – the Master partially performs practical skills, uses theoretical statements correctly in solving practical tasks. <i>Satisfactory</i> – the Master can perform only minimum of a required practical task, is acquainted with the technique of performance. <i>Unsatisfactory</i> – the Master cannot perform a practical skill.</p>
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Final control		
General evaluation system	Participation in the work during the semester on a 200-point scale	
Rating scales	Traditional 4-point scale, multi-point (200-point) scale, rating scale ECTS. From 170 to 200 points - "5" From 140 to 169 points – "4" From 139 to a minimum number of points, that a student should earn – "3" Less than a minimum number of points, that a student should earn – "2"	
Conditions of admission to the final control	The student attended all practical (laboratory, seminar) classes and received at least 120 points	
Type of final control	Methods of final control	Enrollment criteria
Credit	<p>All topics have to be submitted. The calculation of the number of points is based on the grades obtained by the student on a traditional scale during the study of the discipline during the semester, by calculating the arithmetic mean (AM), rounded to two decimal places. The resulting value is converted into points on a multi-point scale as follows:</p> $x = \frac{CA \times 120}{5}$	<p>The maximum number of points is - 200.</p> <p>The minimum number of points is – 120.</p>
9. Course policy		
<p>Educational discipline "Cosmetology" is based on the principles of scientificity, self-development, humanism, democracy, continuity, personal and general responsibility, collectivity and open discussion of issues that belong to its competency.</p> <p>Academic integrity in learning the discipline is provided by:</p> <ul style="list-style-type: none"> - Masters by means of: <ul style="list-style-type: none"> ✓ Individual performance of tasks during continuous assessment, individual work without using external information sources, except for those permitted for use, in particular during assessment of study results; ✓ Personal presence during all lectures and practical classes, except for the cases due to reasonable excuses; - Pedagogical staff by means of: <ul style="list-style-type: none"> ✓ Providing qualified educational services with application of educational innovation approaches in practical professional activity; ✓ Independence of professional activity from political parties, public and religious organizations; ✓ Improvement of professional level by self-study and self-development, refresher courses; ✓ Following rules of staff regulations, working discipline, corporation ethics; ✓ Objective and impartial assessment of the Masters' training results; ✓ Control of Masters' following academic integrity; informing of Masters on typical violations of academic integrity and kinds of responsibility for such violation. 		
10. Literature		
Basic academic literature		
<ol style="list-style-type: none"> 1. Bilovol A.M., Tkachenko S.Gh. Medical cosmetology. Textbook for students of IV level of accreditation of cosmetology. (Ukr). 2012:384. 2. Ghalnykina S., Bojko Ju., Vitenko B. Basis of practical Dermatology and Cosmetology. (Ukr). Ternopil: Pidrposibnyky. 2006:176. 3. Klymyshyna S.O., Cysnecka A.V., Rachkevych L.V. Pharmaceutical Cosmetology. (Ukr). Ternopil: Volya. 2009 4. Gawkrödger, David, Arden-Jones, Michael R.: Dermatology: An Illustrated Colour Text. (Eng). 2023. 		
Additional academic literature		
<ol style="list-style-type: none"> 1. Kaljuzhna L.D. Hair Diseases. Textbook. (Ukr). Kyiyv. 2004:66. 2. Koljadenko V.Gh., Fedorenko O.Je. General issues of the pathogenesis of skin diseases. Dermatological patho-logical and psychological problem. Deontology in dermatology. Textbook for student selfeducation. (Ukr). K.:NMU. 2006:23. 3. Koljadenko V.Gh., Fedorenko O.Je. Pyoderma. Textbook for student selfeducation. (Ukr). K.:NMU. 2006:23. 4. Koljadenko V.Gh., Fedorenko O.Je., Andrashko Ju.V. Mycoses. Textbook for student selfeducation. (Ukr). 2005:24. 5. Cosmetology. Theory and practice. O. Ferzhtek, Ferzhtekova V., Šrámek D., P. Stransky, Z. Šedivý. (Rus). Prague: Maxdorf. 2002: 204. 		
11. Equipment, inventory support and software of the discipline		
<p>The department is equipped with devices necessary for examination and conduction of a series of diagnostic and therapeutic measures, including cosmetology chair (for dermatological examination of patients, collection of material for examination and conduction of dermatocosmetic manipulations), centrifuge (for PRP injections), disposable sets for gynecological examination (examination and collection of material), Wood's lamp (for differential diagnosis of dermatosis); instruments necessary for collection of biopsy materials; dermatoscopes for early diagnosis and differential diagnostics of skin neoplasms); electrocoagulator (for electrosurgical manipulations) etc., as well as moulages, slides and</p>		

microsections. The department is equipped with computers, multifunctional copiers, printers, multimedia projectors, notebooks, display, smart TV, projector. Wireless Internet access is available.

12. Additional Information

A scientific study club is available for students and is supervised by Prof. O.O. Syzon (assoc. prof. Dashko M.O. is responsible for activity of the scientific study club mariannadashko@gmail.com). Together with the department staff, students participate in social and educational activities (Euromelanoma, Psoriasis days, campaign on prevention of sexually transmitted diseases, problematic skin care etc.).

All the practical classes are held at the Department of Dermatology, Venereology 70013, Lviv, 1 Konovalts str., +38 (032) 2385637; Kaf_dermatology@meduniv.lviv.ua

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