



CLINICAL MEDICINE 1

FOURTH YEAR OF STUDIES

school year: 2023./2024.

DERMATO VENEROLOGY

Subject:

DERMATOVENEREOLOGY

The course is evaluated with 4 ESPB points. There are 3 school classes of active classes per week (2 classes of lectures and 1 class of work in a small exercise groups).

TEACHERS AND ASSOCIATES:

No.	Name and surname	E-mail address	Vocation
2.	Ana Ravić-Nikolić	anaravic74@gmail.com	Associate Professor
3.	Vesna Miličić	vesna.milicic.kg@gmail.com	Associate Professor
5.	Kristina Andrić	kristinajoksimovic16.2016@gmail.com	Teaching Associate

COURSE STRUCTURE:

Module	Module name	Weeks	Lectures weekly	Work in a small group per week	Leading teacher of the module
1	Dermatology and venereology	15	2	1	Prof. Dr Ana Ravić-Nikolić

ASSESSMENT:

The student masters the subject by modules. The grade is equivalent to the number of points acquired (see tables). Points are acquired in three ways:

ACTIVITY DURING THE LESSON: This way, the student can acquire up to 15 points, by answering 2 exam questions from the current week of classes in the special section of a small group exercise and in accordance with the demonstrated knowledge, gets 0-1 points.

FINAL TEST OF THE MODULE: The test consists of 60 questions. Each correct answer is worth 0.25 points. The student can, based on the number of correct answers, gain up to 15 points according to the attached table.

FINAL (ORAL) EXAM: The final exam consists of a final skills test (practical exam) and an oral part of the exam. This way, the student can acquire up to 70 points (up to 20 points on the practical part of the exam and up to 50 points on the oral part of the exam).

The final skills check implies the student takes a patient history, performs a physical examination of the patient, interprets the findings, diagnoses the patient (differential) and suggests a therapeutic procedure. If the student does not obtain more than 50% of the points on the final skills test, he/she cannot take the oral part of the exam.

The oral part of the exam implies that the student orally answers five questions (each question is worth 0-10 points). If the student does not get more than 50% of the points in the oral exam, he/she did not pass the exam.

MODULE		MAXIMUM POINTS			
		Activity during classes	Final test of the module	Final (practical and oral) exam	Σ
1	DERMATOLOGY AND VENEREOLOGY	15	15	70	100
Σ		30		70	100

CONSULTATIVE TEACHING: Consultations can be scheduled with the head of the department, Prof. Dr Ana Ravić-Nikolić, at the attached e-mail: anaravic74@gmail.com

The final grade is formed as follows:

In order for the student to pass the subject, he/she must obtain a minimum of 51 points and pass the module. In order to pass the module, student must:

1. Obtain more than 50% points in that module
2. Acquire more than 50% of the points provided for the activity in teaching in each module
3. Pass the module test, i.e. have more than 50% correct answers.
4. Pass the final exam (practical and oral exam).

the number of points earned	grade
0 - 50	5
51 - 60	6
61 - 70	7
71 - 80	8
81 - 90	9
91 - 100	10

FINAL TEST OF THE MODULE

MODULE 1.

FINAL TEST
0-15 POINTS

FINAL TEST EVALUATION:

There are 60 test questions
Each question is worth 0.25 points

LITERATURE:

Module 1	Textbook name	Authors
DERMATOLOGY AND VENEREOLOGY	Fitzpatrick`s Dermatology in General Medicine	Mc Glaw Hill Rook`s
	Rook`s Textbook of Dermatology	Wiley Blackwell

All lectures and material for small group work are available on the website of the Faculty of Medical Sciences: www.medf.kg.ac.rs

THE PROGRAM:

MODULE 1:DERMATOLOGY AND VENEREOLOGY

TEACHING UNIT 1 (FIRST WEEK):

INTRODUCTION TO DERMATOVENEREOLOGY, DERMATOVENEREOLOGY PROPEDEUTICS AND REACTIVE ERYTHEMAS

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• History of dermatovenerology• Introduction to dermatovenerology• Dermatovenerological propaedeutics.• Skin structure and function.• Basics of dermatological diagnostics.• Basics of dermatological therapy.• Basics of histopathological diagnostics.• Reactive erythema• Purpures• Etiopathogenesis, clinical picture, diagnosis and therapy.	<ul style="list-style-type: none">• Student introduction with patient history taking• Student introduction with the constituent parts of anamnesis• Student introduction with concepts of symptoms and signs of disease• Patient history taking by students• Recognition of efflorescences• Determination of active and passive erythema• Palpation of purpura• Microscopy of preparations• Case presentation. Solving a clinical problem

TEACHING UNIT 2 (SECOND WEEK):

ERYTHEMOSQUAMOUS DERMATOSES AND ECZEMA GROUPS

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• Eczema groups• Erythemo-squamous dermatoses.• Erythroderma.• Etiopathogenesis, clinical picture, diagnosis and therapy.	<ul style="list-style-type: none">• Investigation of eczema as a delayed hypersensitivity reaction• Examination of psoriatic phenomena• Recognition of erythroderma• Case presentation. Solving a clinical problem

TEACHING UNIT 3 (THIRD WEEK):

PAPULOUS AND VESICULOUS DERMATOSES

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• Papular dermatoses.• Adverse drug reactions.• Vesicular dermatoses and viral infections.• Etiopathogenesis, clinical picture, diagnosis and therapy.	<ul style="list-style-type: none">• Examination of papular and vesicular dermatoses.• Distinguishing papules from vesicles.• Examining the Kebner phenomenon.• Case presentation. Solving a clinical problem.

UNIT 4 (FOURTH WEEK):

BULLOUS DERMATOSIS AND KERATOSIS

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• Bullous dermatoses• Diseases of disturbed keratinization.• Keratoses.• Mucous membrane keratoses.• Dyskeratosis of the skin and mucous membrane• Etiopathogenesis, clinical picture, diagnosis and therapy.	<ul style="list-style-type: none">• Examination of bullous dermatoses.• Distinguishing keratoses from dyskeratoses of the skin and mucous membranes.• Mastering their diagnostics and therapy• Case presentation. Solving a clinical problem

UNIT 5 (FIFTH WEEK):

NODOSE DERMATOSES AND DYSHROMIAS

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• Nodular dermatoses.• Dyschromia.• Etiopathogenesis, clinical picture, diagnosis and therapy.	<ul style="list-style-type: none">• Examination of nodular dermatoses.• Recognition of hyperchromia, hypochromia and achromia.• Mastering their etiology, clinical picture, diagnostics and therapy.• Case presentation. Solving a clinical problem

UNIT 6 (SIXTH WEEK):

BACTERIAL SKIN INFECTIONS AND SEBACEAL GLAND DISEASES

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• Bacterial skin infections• Diseases of sebaceous glands.• Etiopathogenesis, clinical picture, diagnosis and therapy.	<ul style="list-style-type: none">• Examination and diagnosis of folliculosis, diseases of the sebaceous glands• Distinguishing between seborrhea and seboris.• Detailed study of bacterial infectious dermatoses, their etiology, clinical features, diagnostics and therapy.• Case presentation. Solving a clinical problem

UNIT 7 (SEVENTH WEEK):

ONYCHOSIS AND HYDROSIS

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none"> • Onychos. • Hydrosis. • Artificial dermatoses. • Pruriginous dermatoses. • Etiopathogenesis, clinical picture, diagnosis and therapy. 	<ul style="list-style-type: none"> • Examination and diagnosis of onychosis, hydrosis, artifacts and pathomimia. Clinical picture and recognition of these dermatoses. • Detailed study of pruritic dermatoses, their diagnosis, therapy and causal etiology. • Case presentation. Solving a clinical problem

UNIT 8 (EIGHTH WEEK):

TUBERCULOSIS OF THE SKIN AND NEVI

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none"> • Tuberculosis of the skin and tuberculides. • Lyme disease • Nevi and organoid nevi. • Neurocristopathy • Etiopathogenesis, clinical picture, diagnosis and therapy. 	<ul style="list-style-type: none"> • Examination and diagnosis of skin tuberculosis, Lyme disease and skin nevus. Clinical picture and recognition of these dermatoses. • Detailed study of all types of skin tuberculosis. • Recognition of complex, junctional and organoid nevi. Their diagnosis and therapy. • Dermatoscopy. • Case presentation. Solving a clinical problem

UNIT 9 (NINTH WEEK):

ATROPHIES, HYPERTROPHIES AND SKIN DYSTROPHS.

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none"> • Atrophies, hypertrophies and dystrophies of the skin. • Lupus erythematosus. • Etiopathogenesis, clinical picture, diagnosis and therapy. 	<ul style="list-style-type: none"> • Examination and diagnosis of atrophy, hypertrophy and dystrophy of the skin and recognition of these dermatoses. • Detailed study of collagenoses and autoimmune diseases, as well as etiology, diagnosis and therapy for Lupus erythematoses. • Case presentation. Solving a clinical problem

UNIT 10 (TENTH WEEK):

SCLERODERMIA AND DERMATOMYOSITIS

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• Scleroderma.• Dermatomyositis.• Trichosis.• Etiopathogenesis, clinical picture, diagnosis and therapy.	<ul style="list-style-type: none">• Examination and diagnosis of scleroderma and dermatomyositis. Clinical picture and recognition of these dermatoses.• Detailed study of trichosis, their diagnosis, therapy and causal etiology.• Case presentation. Solving a clinical problem

UNIT 11 (ELEVENTH WEEK):

NON-INFECTIOUS GRANULOMAS AND DISEASES OF PERIPHERAL ARTERIES AND VEINS

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• Non-infectious granulomas of the skin.• Diseases of peripheral arteries and veins• Etiopathogenesis, clinical picture, diagnosis and therapy.	<ul style="list-style-type: none">• Examination of tuberous dermatoses.• Distinguishing non-infectious granulomas from tubercles.• Detailed study of ulcerative dermatoses, hypostatic dermatitis, their etiology, clinical picture, diagnosis and therapy.• Case presentation. Solving a clinical problem

TEACHING UNIT 12 (Twelfth Week):

DERMATOSES CAUSED BY ANIMAL PARASITES

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• Dermatoses caused by animal parasites.• Parasitic fungal diseases.• Etiopathogenesis, clinical picture, diagnosis and therapy.	<ul style="list-style-type: none">• Examination and diagnosis of parasitic, fungal and bacterial dermatoses.• Clinical picture and recognition of these dermatoses.• Case presentation. Solving a clinical problem

UNIT 13 (WEEK THIRTEEN):

HEMATODERMIA AND SKIN TUMORS

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• Hematoderma.• Skin tumors.• Etiopathogenesis, clinical picture, diagnosis and therapy.	<ul style="list-style-type: none">• Recognition of benign and malignant skin tumors.• Examination of precancerous dermatoses.• Skin tumor biopsy.• Diagnosis and therapy of tumors. Study of their flow and prognosis.• Case presentation. Solving a clinical problem

UNIT 14 (FOURTEENTH WEEK):

VENEREOLOGY (1)

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• Venereology.• Division of venereal diseases.• Syphilis.• Gonorrhoea.• Etiopathogenesis, clinical picture, diagnosis and therapy.	<ul style="list-style-type: none">• Recognition and differentiation of sexually transmitted diseases from non-venereal ones.• Diagnosis and therapy of syphilis and gonorrhoea.• Native preparation of gonococci - microscopy.• Serological reactions to syphilis. The course and prognosis of these sexual diseases.• Case presentation. Solving a clinical problem

UNIT 15 (FIFTEENTH WEEK):

VENEREOLOGY (2)

lectures 2 hours	exercises 1 hour
<ul style="list-style-type: none">• Ulcer mole.• Lymphogranuloma venereum.• Non-gonorrhoeal urethritis.• Phimosis.• Paraphimosis.• Aids.• Diseases of the mucous membrane of the oral cavity and tongue	<ul style="list-style-type: none">• Recognition of venereal diseases, their clinical pictures and differentiation from non-venereal diseases.• Diagnostics and therapy: mole ulcer, lymphogranuloma venereum, non-gonorrhoeic urethritis, phimosis, paraphimosis and AIDS.• Course and prognosis of these sexually transmitted contagious diseases, as well as AIDS, acquired immunodeficiency syndrome.• Case presentation. Solving a clinical problem

WEEKLY COURSE SCHEDULE

COURSE	MONDAY
DERMATOVENEROLOGY (2+1)	LECTURES 12:55 - 14:25 (H5)

SCHEDULE OF PRACTICE

PRACTICE (1x9 group) - according to the schedule of the department

LESSON SCHEDULE FOR THE COURSE OF DERMATOVENEROLOGY

Module	Week	Type	Unit name	Teacher
1	1	L	History of dermatovenerology. Introduction to dermatovenerology. Dermatovenerological propaedeutics. Skin structure and function. Basics of dermatological diagnostics. Basics of dermatological therapy. Basics of histopathological diagnostics. Reactive erythema Purpures Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Vesna Miličić
1	1	WSG	Student introduction with patient history taking Student introduction with the constituent parts of anamnesis Student introduction with concepts of symptoms and signs of disease Patient history taking by students Recognition of efflorescences Determination of active and passive hermits Palpation of purpura Microscopy of preparations Case presentation. Solving a clinical problem	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	2	L	Eczema groups Erythemo-squamous dermatoses. Erythroderma. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Ana Ravić-Nikolić
1	2	WSG	Investigation of eczema as a delayed hypersensitivity reaction Examination of psoriatic phenomena Recognition of erythroderma Case presentation. Solving a clinical problem	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	3	L	Papular dermatoses. Adverse drug reactions. Vesicular dermatoses and viral infections. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Ana Ravić-Nikolić

LESSON SCHEDULE FOR THE COURSE OF DERMATOVENEROLOGY

Module	Week	Type	Unit name	Teacher
1	3	WSG	Examination of papular and vesicular dermatoses. Distinguishing papules from vesicles. Examining the Kebner phenomenon. Case presentation. Solving a clinical problem.	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	4	L	Bullous dermatoses Diseases of disturbed keratinization. Keratoses. Mucous membrane keratoses. Dyskeratosis of the skin and mucous membrane Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Ana Ravić-Nikolić
1	4	WSG	Examination of bullous dermatoses. Distinguishing keratoses from dyskeratosis of the skin and mucous membranes. Mastering their diagnostics and therapy Case presentation. Solving a clinical problem	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	5	L	Nodular dermatoses. Dyschromia. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Vesna Miličić
1	5	WSG	Examination of nodular dermatoses. Recognition of hyperchromia, hypochromia and achromia. Mastering their etiology, clinical picture, diagnostics and therapy. Case presentation. Solving a clinical problem	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	6	L	Bacterial skin infections. Diseases of sebaceous glands. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Vesna Miličić
1	6	WSG	Examination and diagnosis of folliculosis, diseases of the sebaceous glands. Distinguishing between seborrhea and seboria. In detail bacterial infectious dermatoses, their etiology, clinical picture, diagnosis and therapy. Case presentation. Solving a clinical problem.	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	7	L	Onychoses. Hidrosis. Artificial dermatoses. Pruriginous dermatoses. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Ana Ravić-Nikolić

LESSON SCHEDULE FOR THE COURSE OF DERMATOVENEROLOGY

Module	Week	Type	Unit name	Teacher
1	7	WSG	Examination and diagnosis of onychosis, hydrosis, artifacts and pathomimia. Clinical picture and recognition of these dermatoses. Detailed study of pruritic dermatoses, their diagnosis, therapy and causal etiology. Case presentation. Solving a clinical problem	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	8	L	Tuberculosis of the skin and tuberculides. Lyme disease Nevi and organoid nevi. Neurocristopathy. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Ana Ravić-Nikolić
1	8	WSG	Examination and diagnosis of skin tuberculosis, Lyme disease and skin nevus. Clinical picture and recognition of these dermatoses. Detailed study of all types of skin tuberculosis, characteristic of Lyme disease. Recognition of complex, junctional and organoid nevi. Their diagnosis and therapy. Dermatoscopy. Case presentation. Solving a clinical problem.	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	9	L	Atrophies, hypertrophies and dystrophies of the skin. Lupus erythematosus. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Ana Ravić-Nikolić
1	9	WSG	Examination and diagnosis of atrophy, hypertrophy and dystrophy of the skin and recognition of these dermatoses. Detailed study of collagenoses and autoimmune diseases, as well as etiology, diagnosis and therapy for Lupus erythematosus. Case presentation. Solving a clinical problem.	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	10	L	Scleroderma. Dermatomyositis. Trichosis. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Vesna Miličić
1	10	WSG	Examination and diagnosis of scleroderma and dermatomyositis. Clinical picture and recognition of these dermatoses. Detailed study of trichosis, their diagnosis, therapy and causal etiology. Case presentation. Solving a clinical problem	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	11	L	Non-infectious granulomas of the skin. Diseases of peripheral arteries and veins. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Vesna Miličić

LESSON SCHEDULE FOR THE COURSE OF DERMATOVENEROLOGY

Module	Week	Type	Unit name	Teacher
1	11	WSG	Distinguishing non-infectious granulomas from tubercles. Detailed study of ulcerative dermatoses, hypostatic dermatitis, their etiology, clinical picture, diagnosis and therapy. Case presentation. Solving a clinical problem.	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	12	L	Dermatoses caused by animal parasites. Parasitic fungal diseases. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Vesna Miličić
1	12	WSG	Examination and diagnosis of parasitic and fungal dermatoses. Clinical picture and recognition of these dermatoses. Case presentation. Solving a clinical problem.	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	13	L	Hematodermia. Skin tumors. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Vesna Miličić
1	13	WSG	Recognition of benign and malignant skin tumors. Examination of precancerous dermatoses. Skin tumor biopsy. Diagnosis and therapy of tumors. Study of their flow and prognosis. Case presentation. Solving a clinical problem	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
1	14	L	Venereology. Division of venereal diseases. Syphilis. Gonorrhea. Etiopathogenesis, clinical picture, diagnosis and therapy.	Prof. Dr Ana Ravić-Nikolić
1	14	WSG	Recognition and differentiation of sexually transmitted diseases from non-venereal ones. Diagnosis and therapy of syphilis and gonorrhea. Native preparation of gonococci - microscopy. Serological reactions to syphilis. The course and prognosis of these sexual diseases. Case presentation. Solving a clinical problem	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić

LESSON SCHEDULE FOR THE COURSE OF DERMATOVENEROLOGY

Module	Week	Type	Unit name	Teacher
1	15	L	Ulcer mole. Lymphogranuloma venereum. Non-gonorrheal urethritis. Phimosis. Paraphimosis. Aids. Diseases of the mucous membrane of the oral cavity and tongue.	Prof. Dr Vesna Miličić
1	15	WSG	Recognition of venereal diseases, their clinical pictures and differentiation from non-venereal diseases. Diagnostics and therapy: mole ulcer, lymphogranuloma venereum, non-gonorrhoeic urethritis, phimosis, paraphimosis and AIDS. Course and prognosis of these sexually transmitted contagious diseases, as well as AIDS, acquired immunodeficiency syndrome. Case presentation. Solving a clinical problem	Prof. Dr Ana Ravić-Nikolić Prof. Dr Vesna Miličić Dr. Kristina Andrić
		FTM	FINAL TEST OF THE MODULE	
		E	EXAM - final skills test and oral exam	