



Course: Dermatovenereology

Course Coordinator: Professor Ines Brajac, MD, PhD

Course Collaborators: Professor Marija Kaštelan, MD, PhD; Professor Larisa Prpić Massari, MD, PhD; Marijana Vičić, MD, PhD; Nika Hlača, MD

Department: Dermatovenerology

Study program: University Integrated Undergraduate and Graduate Study of Dental Medicine (in English)

Study year: 3rd

Academic year: 2024/2025

SYLLABUS

Course description (a brief description of the course, general instructions, where and in what form the lessons are organized, necessary equipment, instructions for attendance and preparation for classes, student obligations, etc.):

The **Dermatovenerology** is the third-year compulsory course of the Integrated Undergraduate and Graduate University Study of Dental Medicine and consists of 10 hours of lectures and 5 hours of practicals, a total of 15 hours (1.5 ECTS). The course is held in the premises of the Dermatovenerology Clinic of the Rijeka Clinical Hospital Center.

The course is part of Clinical Medicine 1.

The **aim of the dermatovenerology course** is to define and describe the basic dermatovenerological diseases and the basic concepts of dermatological propaedeutics, as well as to describe and perform the usual dermatological laboratory diagnostic tests (mycological analysis, allergological tests, serological and immunofluorescent tests). A special emphasis will be placed on certain groups of dermatoses and dermatovenerological diseases that are manifested by the changes of the oral cavity mucous membranes.

The course content as follows:

Meaning of dermatology in dental medicine, skin structure and efflorescence (introductory part). Infectious diseases (selected viral diseases, pyodermias, dermatomycoses). Allergic diseases. Erythematous squamous skin diseases. Autoimmune and bullous dermatoses. Diseases of the mucous membrane of the oral cavity. Benign and malignant skin tumors (carcinomas, melanoma).

Course description:

The course is conducted in the form of lectures and practicals. The expected total duration of the course is six working days. During the practicals, the instructor demonstrates the given subjects and supervises the students' active participation in the practicals. Instructors discuss with students the specifics of performing individual practical. At the end of the class, there will be a final written exam that will contain a total of 45 questions. By completing all teaching activities and taking the final exam, the student gains 1.5 ECTS points.



Assigned reading:

Gawkrodger DJ. Dermatology: An Illustrated Colour Text. 7th Edition, Elsevier Ltd., 2021.
Stoopler E, Sollecito T. Oral Medicine in Dermatology. 1st Edition, Elsevier Ltd., 2020.

Optional/additional reading:

Fakhry C et al. Oral cancer. Evaluation, Therapy, and Rehabilitation. Thieme, 2020.
Surber C et al. Topical Applications and the Mucosa. Karger, 2011.

COURSE TEACHING PLAN:

The list of lectures (with topics and descriptions):

1. Skin structure and efflorescences

Learning outcomes:

- to classify, define and describe skin efflorescences
- to explain the basic structure and function of the skin and mucous membranes

2. Infectious diseases (herpes simplex, herpes zoster, candidiasis, impetigo, furunculus, erysipelas)

Learning outcomes:

- to define and describe selected viral, fungal and bacterial skin diseases
- to define the basic principles of approach to a patient with an infectious disease
- to list and explain diagnostic procedures and modern methods of treatment

3. Allergic diseases - 1st part

Learning outcomes:

- to classify allergic reactions
- to define and describe allergic diseases
- to list emergency conditions in dermatology (anaphylactic shock, acute urticaria, Quincke's edema)
- to explain the basic principles of treating emergency conditions in dermatology

4. Allergic diseases – 2nd part

Learning outcomes:

- to define and describe allergic diseases
- to state and explain diagnostic procedures for contact allergic dermatitis
- to explain the treatment of allergic dermatoses

5. Erythematousquamous diseases

Learning outcomes:

- to classify erythematousquamous skin diseases
- to define and describe the most significant erythematousquamous skin diseases (psoriasis and lichen planus)
- to list and explain the physical phenomena that appear on the skin in patients with psoriasis
- to explain the treatment of erythematousquamous skin diseases



6. Autoimmune disease

Learning outcomes:

- to classify autoimmune skin diseases
- to explain the mechanisms of autoimmune skin diseases
- to define and describe the most common autoimmune skin diseases
- to list and explain the diagnostic procedures for the most common autoimmune skin diseases (lupus, scleroderma, dermatomyositis)
- to explain the treatment of autoimmune skin diseases

7. Bullous dermatoses

Learning outcomes:

- to classify bullous skin diseases
- to define and describe the most significant bullous skin diseases
- to list and explain the diagnostic procedures for the most significant bullous skin diseases (pemphigus vulgaris, bullous pemphigoid, dermatitis herpetiformis)
- to list and explain the diagnostic procedures for the most common bullous skin diseases
- to explain the treatment of bullous skin diseases

8. Diseases of the mucous membrane of the oral cavity

Learning outcomes:

- to explain the characteristics of the mucous membrane of the oral cavity
- to list and explain the dermatoses that manifest on the mucous membrane of the oral cavity
- to list the most common syndromes related to the oral mucosa and tongue
- to list and explain the diagnostic procedures for the most common diseases of the mucous membrane of the oral cavity
- to explain the treatment of the most common diseases of the mucous membrane of the oral cavity (cheilitis, glossitis, gingivitis)

9. Benign tumors

Learning outcomes:

- to classify, define and describe the most common benign skin tumors (fibromas, hemangiomas, seborrheic keratoses)
- to explain the treatment of benign skin tumors

10. Malignant tumors

Learning outcomes:

- to classify, define and describe the most common malignant skin tumors (basal cell and squamous cell carcinoma, melanoma)
- to list and explain the diagnostic procedures for the most common malignant skin tumors
- to explain the therapeutic algorithms of the most common malignant skin tumors

The list of practicals with descriptions:

1. Patient's history and dermatological status (inpatient department)

- to explain history taking and dermatological status
- to define and describe skin efflorescences
- to list and explain the changes on the visible mucous membranes



- to explain the physical-diagnostic procedures of dermatosis (inspection, palpation, scraping of skin changes, vitropression, examination of the skin with a dermatoscope)
- to classify and explain local and systemic therapy in dermatology

2. Developing specific competencies in dermatovenereology field (inpatient department, surgical office)

- to explain the specific physical-diagnostic procedures of individual dermatoses (Koebner phenomenon, Nikolsky phenomenon, Darrier phenomenon)
- to explain the use of cryotherapy, electrocautery and electrocoagulation in the treatment of benign skin tumors, warts and keratoses
- to list and explain basic dermatosurgical procedures (biopsy, excision, applanation, incision, drainage)

3. Diagnostics of infectious diseases (laboratory for microbiology, mycology and parasitology)

- to describe and explain the identification of mycelia in the native preparation (identification of fungi)
- to describe and explain the macromorphological characteristics of the most common mushrooms in culture
- to describe and explain Wood's lamp examination
- to describe and explain the identification of the causative agent of itching in the native preparation

4. Diagnosis and treatment of chronic wounds (inpatient department, chronic wounds office, cabinet for Doppler diagnostics).

- to classify vein diseases
- to describe and explain diagnostic procedures for venous diseases with an emphasis on Doppler ultrasound of the blood vessels of the lower extremities.
- to describe and explain the treatment of venous ulcers using dressings for moist wound healing
Diagnosis of allergic diseases (allergology office).
- to list and explain the diagnostic algorithms of allergic diseases (prick and epicutaneous allergy testing)
- to explain the emergency therapeutic procedure in case of anaphylactic shock

5. Diagnostics of autoimmune diseases (inpatient department, laboratory for immunofluorescence diagnostics)

- to list and explain diagnostic procedures for autoimmune and bullous skin diseases (direct and indirect immunofluorescence, ELISA)

Students' obligations:

Students are required to attend and actively participate in all forms of classes regularly.

Assessment (exams, description of written / oral / practical exam, the scoring criteria):

ECTS credit rating system:

Evaluation of students is carried out according to the valid **Rulebook on studies of the University of Rijeka**.



The students' work will be evaluated during the course and in the final exam. Out of a total of **100 points**, a student can get **10 points** during classes, and **90 points** in the final exam.

Students are graded using the ECTS system (A-F). Grading in the ECTS system is carried out by **absolute distribution**.

The course Dermatovenerology will be held in the form of lectures and practicals. During the course, the activity will be evaluated, and at the end of the class, there will be a final written exam. By completing all teaching activities and taking the mid-term and final exams, the student gains 1.5 ECTS points.

Students' work is evaluated during classes and on the final exam. By actively participating in classes, a student can collect a maximum of 10 grade points (10%). An additional 90 evaluation points (90%) are earned by the student in the final exam. Students are evaluated using the ECTS (A-F) system. Grading in the ECTS system is carried out by absolute distribution.

A student can miss a maximum of 30% of each form of teaching solely for **health reasons**, which is justified by a medical certificate (excuse letter). Compensation of practicals is not possible. If a student, justified or unjustified, misses **more than 30% of classes**, than cannot continue attending the course and loses the opportunity to take the final exam. With this, student will collect 0 ECTS points and will be graded F.

EVALUATION OF STUDENT ACTIVITIES AND METHOD OF ACQUIRING GRADE POINTS

The student is obliged to prepare material for individual **practical** in order to actively discuss the given topic with the instructor and other students. The instructor evaluates the demonstrated activity and knowledge of the student during the practicals with a maximum of **10 evaluation points** (range 0-10 evaluation points).

At the end of the course, there is a final exam. The final exam is a written exam in the form of a test. The test consists of 45 questions and carries a maximum of 90 marks. The criterion for passing the exam and obtaining grade points is 50% of correct answers (≥ 23).

Grading in the ECTS system is done by absolute distribution, that is, based on the final achievement:

- A – 80 - 100% points
- B – 70 – 79,9%
- C – 60 – 69,9%
- D – 50 – 59,9%
- F – 40 – 49,9%

Final score as follows:

- A = excellent (5)
- B = very good (4)
- C = good (3)
- D = sufficient (2)
- F = insufficient (1)

Scoring criteria	Specific student's activity	Scoring
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Activity during the practicals	Active monitoring of classes, activity and knowledge during practicals	10	
Final exam	Test with multiple choice tasks (written exam)	90	
Total		100	

Other important information regarding to the course:

Any use of another's text or other form of author's work, as well as the use of ChatGPT or any of another tool whose functionality is based on artificial intelligence technology, without clear and unambiguous citation of sources, is considered a violation of someone else's copyright and the principle of academic integrity and represents serious violation of student obligations, which entails disciplinary responsibility and disciplinary measures accordingly
Rulebook on disciplinary responsibility of students.

Consultation time: Teaching contents and all information related to the course as well as exam dates are available on the web sites of the Department of Dermatovenerology.

COURSE SCHEDULE (for the academic year 2024/2025)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor
24.01.2025. <i>Friday</i>	09.00-10.30 h L1-L2 Seminar lecture room of the Clinic for dermatovenerology Krešimirova 42			Prof. Marija Kaštelan, MD, PhD Prof. Larisa Prpić Massari, MD, PhD
27.01.2025. <i>Monday</i>	09.00-11.15 h L3-L6 Seminar lecture room of the Clinic for dermatovenerology Krešimirova 42			Prof. Marija Kaštelan, MD, PhD Prof. Larisa Prpić Massari, MD, PhD



28.01.2025. Tuesday	09.00-10.30 h L7-L8 Seminar lecture room of the Clinic for dermatovenerology Krešimirova 42, CHC Rijeka - 1st Floor			Prof. Marija Kaštelan, MD, PhD Prof. Larisa Prpić Massari, MD, PhD
29.01.2025. Wednesday	09.00-10.30 h L9-L10 Seminar lecture room of the Clinic for dermatovenerology Krešimirova 42 CHC Rijeka - 1st Floor			
30.01.2025. Thursday			09.00-13.00 h P1-P5 A 09.00-13.00 h P1-P5 B Clinic for dermatovenerology CHC Rijeka - 1st Floor	Prof. Marija Kaštelan, MD, PhD Prof. Larisa Prpić Massari, MD, PhD
31.01.2025. Friday		10.00 h EXAM Seminar lecture room of the Clinic for dermatovenerology Krešimirova 42, CHC Rijeka - 1st Floor		



List of lectures, seminars and practicals:

	LECTURES (Topics)	Teaching hours	Location/Lecture room
L1	Skin structure and efflorescences	1	Dermatology Clinic Seminar room CHC Rijeka (main building), 1st floor Krešimirova 42
L2	Infectious diseases	1	
L3	Allergic diseases - 1 st part	1	
L4	Allergic diseases – 2 nd part	1	
L5	Erythematous diseases	1	
L6	Autoimmune disease	1	
L7	Bullous dermatoses	1	
L8	Diseases of the mucous membrane of the oral cavity	1	
L9	Benign tumors	1	
L10	Malignant tumors	1	
	TOTAL TEACHING HOURS	10	

	PRACTICALS (topics)	Number of teaching hours	Place
P1	Patient's history and dermatological status	1	Dpt. of Dermatovenereology – Inpatient ward
P2	Developing specific competencies in dermatovenereology field	1	Dpt. of Dermatovenereology - Inpatient ward, Surgical office
P3	Diagnostics of infectious diseases	1	Dpt. of Dermatovenereology, Laboratory for microbiology, mycology and parasitology
P4	Diagnosis and treatment of chronic wounds	1	Dpt. of Dermatovenereology - Inpatient ward, Chronic wounds office, Cabinet for Doppler diagnostics



	Diagnosis of allergic diseases		Allergology office
P5	Diagnostics of autoimmune diseases	1	Dpt. of Dermatovenereology - Inpatient ward, Laboratory for immunofluorescence diagnostics
	Total number of practicals	5	

FINAL EXAM DATES	
1.	31.01.2025. 10.00 h
2.	21.03.2025. 13.00 h
3.	04.07.2025. 13.00 h

	Lectures	Seminars	Practicals	Total
Total number	10	0	5	15
On-line	0	0	0	0
Percentage	66.6%	0	33.3%	100%