Sveučilište u Rijeci
University of Rijeka

Sveučilište u Rijeci • Fakultet dentalne medicine
University of Rijeka • Faculty of Dental Medicine
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Course: Dermatovenereology
Course Coordinator: Assistant professor Marijana Vičić, MD, PhD
Department: Dermatovenerology
Study program: University Integrated Undergraduate and Graduate Study of Dental Medicine (in English)
Study year: 3rd
Academic year: 2026/ 2027

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. Erythematosquamous 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´s 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. Structure and efflorescences of the skin and oral mucosa

Learning outcomes:

- Describe the basic structure of the skin and oral mucosa
- Distinguish between basic dermatological efflorescences based on the level of the lesion
- Systematically describe a skin or mucosal lesion
- Explain why the same disease may present differently on the skin and the oral mucosa

2. Infectious diseases of the skin and mucous membranes (herpes simplex, herpes zoster, hand, foot, and mouth disease, impetigo, erysipelas, oral candidiasis)

Learning outcomes:

- Recognize the typical clinical manifestations of HSV, herpes zoster, hand, foot, and mouth disease, impetigo, erysipelas, and oral candidiasis
- Distinguish HSV from herpes zoster and other vesiculo-erosive oral lesions
- Identify the most common forms of oral candidiasis
- Assess a patient's infectivity and the need to postpone elective dental procedures
- Outline the basic principles of diagnosis and treatment

3. Allergic Diseases I: Immediate-type Hypersensitivity Reactions (Urticaria, Angioedema, Anaphylaxis)

Learning outcomes:

- Define urticaria, angioedema, and anaphylaxis
- Distinguish a wheal (urtica) from other erythematous and edematous lesions
- Assess when an allergic reaction progresses to anaphylaxis
- Explain the basic algorithm for the emergency management of anaphylaxis in a dental office
- Identify the most common potential triggers in dentistry

4. Allergic Diseases II: Delayed-type hypersensitivity reactions (contact dermatitis of the hands, contact stomatitis/cheilitis; granulomatous cheilitis; most common contact allergens in dentistry; patch testing)

Learning outcomes:

- Distinguish between irritant and allergic contact dermatitis/stomatitis
- Recognize contact cheilitis and contact stomatitis
- List allergens relevant to dentistry: acrylates/methacrylates, metals, latex, antiseptics, and other materials
- Explain the basic principle and interpretation of patch testing

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5. **Allergic Diseases III: Drug reactions (drug-induced exanthem, lichenoid reaction, mucositis, EM, SJS/TEN)**

Learning outcomes:

- Define the most common drug reactions
- Recognize a lichenoid drug reaction
- Recognize mucositis associated with chemotherapy and immunotherapy
- Recognize the clinical signs of SJS/TEN and the need for emergency care

6. **Skin diseases of the perioral region and lips (perioral dermatitis, exfoliative cheilitis, angular cheilitis)**

Learning outcomes:

- Recognize perioral dermatitis
- Distinguish between the most common forms of cheilitis
- Recognize angular cheilitis and its potential causes

7. **Mucocutaneous and systemic inflammatory and autoimmune diseases (lichen planus, psoriasis, SLE, systemic sclerosis, dermatomyositis, Sjögren's syndrome, Behçet's syndrome, GVHD)**

Learning outcomes:

- Recognize the manifestations of oral lichen planus
- Recognize the manifestations of psoriasis (geographic language)
- Recognize the basic skin and oral manifestations of lupus, systemic sclerosis, dermatomyositis, Sjögren's syndrome, Bechet's syndrome and GVHD
- To associate xerostomia with oral complications and dental risk
- Recognize microstomia and other orofacial changes in systemic sclerosis
- Distinguish typical oral lesions of lupus from more common differential diagnoses
- State the dental implications of immunosuppressive therapy
- Recognize clinical situations that require additional medical treatment or a multidisciplinary approach

8. **Mucocutaneous autoimmune vesiculo-bullous diseases (pemphigus and pemphigoid group; pemphigus vulgaris, paraneoplastic pemphigus and mucous pemphigoid; linear IgA dermatosis, dermatitis herpetiformis, lichen pemphigoides)**

Learning outcomes:

- Recognize oral manifestations of vulgar and paraneoplastic pemphigus, mucous pemphigoid
- Recognize oral manifestations of linear IgA dermatosis, dermatitis herpetiformis and lichen pemphigoides
- Explain the basic principle of biopsy for histology and direct immunofluorescence
- State the basic principles of dental care for patients with erosive oral diseases

9. **Pigment lesions and tumors of the skin and lips (oral/labial melanotic macule, nevus, Laugier-Hunziker sy., Peutz-Jeghers sy., Addison's disease; actinic keratoses/actinic cheilitis, BCC, SCC, melanoma/oral melanoma)**

Learning outcomes:

- List the most significant pigmented lesions of the lips and oral mucosa

- Distinguish common benign lesions from suspicious neoplastic lesions of the skin and lips
- Recognize the clinical signs of BCC and SCC
- Explain the significance of actinic cheilitis as a premalignant lesion
- Apply the ABCDE approach to pigmented lesions
- Recognize the basic clinical patterns of melanoma
- Identify "red flags" that necessitate a biopsy or prompt referral

10. **Sexually transmitted diseases (syphilis, HSV, HPV, gonorrhea, and HIV)**
Learning outcomes:

- Recognize typical oral and perioral manifestations of syphilis, HSV, and HPV
- Describe the primary manifestations of oropharyngeal gonorrhea
- Identify oral findings that may raise suspicion of immunodeficiency/HIV
- Determine when microbiological/serological testing or referral to a specialist is required
- Apply standard protective measures in dental practice without discrimination

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 Rije**ka.

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 – 90 – 100 % points
B – 75 – 89 %
C – 60 – 74 %
D – 50 – 59 %
F – up to 49 %

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**
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 2026/ 2027)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor
14.01.2027. Thursday	09,00-13,30 h L1-L5 Seminar lecture room of the Clinic for dermatovenerology Krešimirova 42 CHC Rijeka - 1st Floor			Ass. Prof. Marijana Vičić, MD, PhD
15.01.2027. Friday	09,00-13,30 h L6—L10 Seminar lecture room of the Clinic for dermatovenerology Krešimirova 42 CHC Rijeka - 1st Floor			Ass. Prof. Marijana Vičić, MD, PhD
18.01.2027. Monday			09,00-13.30 h P1-P5 A P1-P5 B Clinic for dermatovenerology CHC Rijeka - 1st Floor	Ass. Prof. Marijana Vičić, MD, PhD Nika Hlača, PhD Katarina Dujmović, MD
19.01.2027. Tuesday		09.00 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	**Structure and efflorescences of the skin and oral mucosa**	1	Dermatology Clinic Seminar room CHC Rijeka (main building), 1st floor Krešimirova 42
L2	**Infectious diseases of the skin and mucous membranes**	1	
L3	**Allergic diseases I**	1	
L4	**Allergic diseases II**	1	
L5	**Allergic Diseases III**	1	
L6	**Skin diseases of the perioral region and lips**	1	
L7	**Mucocutaneous and systemic inflammatory and autoimmune diseases**	1	
L8	**Mucocutaneous autoimmune vesiculo-bullous diseases**	1	
L9	**Pigment lesions and tumors of the skin and lips**	1	
L10	**Sexually transmitted diseases**	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** **Diagnosis of allergic diseases**	1	**Dpt. of Dermatovenereology - Inpatient ward, Chronic wounds office, Cabinet for Doppler diagnostics** **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.	21.01.2027. 09.00 h
2.	25.03.2027. 09.00 h
3.	08.07.2027. 09.00 h

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