



Course: Oral medicine

Course Coordinator: Sonja Pezelj-Ribatić, PhD, Professor

Course Collaborators: Miranda Muhvić Urek , PhD, Professor, Irena Glažar, PhD, Professor, Ella Sever, PhD, Ema Saltović, PhD

Department: Oral medicine I

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

Study year: 4th

Academic year: 2025./26

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 Oral medicine I course is a compulsory course at 4th year of the University Integrated Undergraduate and Graduate Study of Dental Medicine (in English) and consists of 45 hours of lectures and hours of tutorials (5,5 ECTS). The course is held in the Faculty of Dental medicine.

The aim of the course is to train students for practical work on patients with oral diseases; acquisition of modern knowledge about oral diseases, the possibilities of their diagnosis and treatment and the connection of previous knowledge from general medicine and its application in oral medicine; acquisition of knowledge about the role of the oral mucosa in the function of the stomatognathic system; imparting knowledge of oral diseases caused by local factors and microorganisms, imparting knowledge of the role of oral diseases in the development of general symptoms in the human body; preparing students to work independently with patients in the diagnosis of diseases of the oral mucosa; enabling them to choose therapeutic procedures independently.

The content of the course is as follows: Classification of oral diseases. Anatomical and histological features, physiological processes and pathological changes of the oral mucosa. Macroscopic features and microscopic findings of pathological changes of oral mucosa. Defensive factors in the oral cavity. Diagnostic procedures for oral diseases. Oral tests. Oral indications for laboratory tests. Genetic anomalies of the oral mucosa. Alterations of oral mucosa in respiratory, cardiovascular, blood, renal and gastrointestinal diseases. Changes of the oral mucosa in psychosomatic disorders, in vitamin deficiency, in hormonal and metabolic disorders. Toxic reactions on the oral mucosa. Side effects of taking medications on the oral mucosa. Diseases of the oral mucosa in old age. Precancerous and lesions of the oral mucosa. Paraneoplastic processes of the oral mucosa. Diseases of the salivary glands. Pain syndromes and burning in the oral mucosa. Atypical orofacial pain. Oral focal infections. Principles of therapy of oral diseases. Immunological diseases with oral manifestations. Mucocutaneous autoimmune diseases. Allergic reactions to the oral mucosa. Primary and secondary immunodeficiencies. Viral, fungal and bacterial infections of the oral mucosa.

Teaching is conducted in the form of lectures and tutorials. Attendance in class is compulsory. During the courses, students have colloquia in which they can earn a maximum of 30 points in total. Students can earn 40 points by actively participating in the exercises.



Assigned reading:

Burket's Oral Medicine, 13th Edition. 2021 Wiley-Blackwell S. R. Prabhu. Handbook of Oral Pathology and Oral Medicine. 2021 Wiley-Blackwell E book

COURSE TEACHING PLAN:

The list of lectures (with topics and descriptions):

L1. Introduction, histological and anatomical features of the oral mucosa, examination of the patient. Tests used in oral medicine. Defense factors.
Learning Outcomes
Define the objectives of the oral medicine course.
Define the histological and anatomical features of the oral mucosa.
Explain the examination of the oral mucosa. Explain oral testing in oral medicine. Define the defense factors of the oral cavity.

L2. Pathological phenomena of the oral mucosa, microscopic and macroscopic.
Learning Outcomes
Define pathological microscopic and macroscopic changes of the oral mucosa

L3. Criteria for the classification of oral diseases. Common anatomical forms.
Learning Outcomes
Define common anatomical forms of the oral mucosa and criteria for the classification of oral diseases.

L4. i L5. Fungal infections of the oral mucosa.
Learning outcomes
Define fungal infections of the oral mucosa. Explain the classifications of fungal infections

L6. Therapy of fungal infections.
Learning outcomes
Explain how to prescribe topical antifungal therapy.

L7 i L8 Bacterial infections of the oral mucosa
Learning outcomes
Define bacterial infections of the oral mucosa. Explain the classifications of bacterial infections

L9 Therapy of bacterial infections.
Explain how to prescribe topical bacterial therapy.

P10, P11 i P12 Evidence-based oral medicine

P13,14 i 15 Viral infections of the oral mucosa
Therapy of viral infections
Learning Outcomes
Define viral infections of the oral mucosa. Explain the classifications of viral infections
Explain how to prescribe topical viral therapy.

L16,17 i 18 Adverse effects of medications on the oral mucosa
Learning Outcomes
Define the adverse effect of drugs on the oral mucosa.
injuries to the oral mucosa.
Learning Outcomes
Define oral mucosal injuries
Explain how to prescribe therapy for oral mucosal injuries

L19,20 i 21 Evidence-based oral medicine



L22 Diseases of the salivary glands.

Learning outcomes

Definition of salivary gland diseases.

L23 Disorders of salivary secretion.

Learning Outcomes

Explain the mechanisms of salivary secretion disorders

L24 Burning mouth syndrome

Learning Outcomes

Define etiology, diagnosis, and treatment of burning mouth syndrome

L25, 26 I 27 Mucocutaneous autoimmune diseases

Learning Outcomes

Define mucocutaneous autoimmune diseases.

Systemic autoimmune diseases and occurrence in the oral cavity.

Learning Outcomes

Define systemic autoimmune diseases and their occurrence in the oral cavity.

L28,29 I 30 Evidence-based oral medicine

L31 Oral allergic reactions

Learning Outcomes

Define the mechanisms of allergic reactions, etiology, diagnosis and treatment of oral allergic reactions.

L32. Oral precancerous lesions.

Learning Outcomes

Explain oral precancerous lesions

L33 Malignant changes of the oral mucosa

Learning Outcomes

Define malignant changes of the oral mucosa.

L34 Prevent oral complications of radiation and chemotherapy of malignant processes of the head and neck.

Learning Outcomes

Explain what measures can be taken to prevent complications of radiation and chemotherapy of malignant processes of the head and neck.

L35 Hereditary and developmental abnormalities of the oral mucosa.

Learning Outcomes

Define hereditary and developmental anomalies of the oral mucosa.

L36 Diseases of the tongue.

Learning Outcomes

Define diseases of the tongue.

Explain how to prescribe therapy for tongue disorders.

L37 Diseases of the palate.

Learning Outcomes

Define diseases of the palate.

Explain how to prescribe therapy for palatal diseases.

L38 Diseases of the lips.

Learning Outcomes

Define diseases of the lips

Explain how to prescribe therapy for lip disorders.

L39 Focal infection

Learning Outcomes

Explain the causes of focal infection.



Inform about the diagnostic and therapeutic options
L40-45 Evidence-based oral medicine

The list of practicals with descriptions:

Before the students begin the exercises, they must acquire theoretical knowledge. During the exercises, the students apply the acquired knowledge in practise with the help and under the supervision of the instructor and carry out diagnostics and therapy of oral diseases.

Learning outcomes:

take a medical history, apply diagnostic (test and radiological) methods, evaluate, analyse, comment on and draw conclusions from radiological images, make differential diagnoses, plan therapy

Students' obligations:

Students are required to attend class regularly and actively participate in all forms of instruction

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

Students are assessed in accordance with the current study and examination regulations of the University of Rijeka. Students' work is assessed and graded during lectures and in the final examination.

Students are graded according to ECTS (A-F) and a numerical system (1-5). Grading in the ECTS system is based on absolute distribution.

Students can collect a maximum of 100 grade points during the semester and the final examination (a maximum of 70 grade points during the semester and a maximum of 30 grade points in the final examination).

During the semester, a student can collect a maximum of 70 grade points (Table 1).

Of these, 30 are earned during the colloquium and 40 during the entire degree programme through continuous assessment of theoretical and practical knowledge.

The colloquia are held at the end of the 8th semester in written and oral form. The supervisors assess the theoretical knowledge and practical work on patients. The average grade is included in the final grade.

During the course, the student must collect at least 35 grade points. A student who has achieved 35 or more points during the course will take part in the final examination, in which they can achieve a maximum of 30 points. A student who scores less than 35 points during the course has failed the course, receives a failing grade (F) and must retake the course. The final examination is practical and oral and covers the material specified in the syllabus. A maximum of 30 points can be awarded for the final examination, 15 points for the practical part and 15 points for the oral part of the examination. The grade for the final examination is calculated from the student's overall performance, i.e. the grade points collected during the semester and the grade points for the final examination.

In order for a student to receive a final grade, they must successfully pass the final examination. For a positive final examination grade, the practical and oral parts must be successfully completed. The student must bring a completed clinical practise checklist to the final examination. If the student fails the final examination, he/she will receive a negative grade. The student has the right to attend the next examination period.

Evaluation of student obligations: Evaluation of student responsibilities:



ASSESSMENT Max. Number of grade points
Colloquia - 30
Exercises
Continuous review of theoretical and practical knowledge - 40
50% correct answers are required to pass the examination.

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:

COURSE SCHEDULE (for the academic year 2025/2026)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor
3.11.2025.	L1,2 i 3 (10.15-12.30) Krešimirova 40			Prof.dr.sc. Sonja Pezelj-Ribarić
10.11.2025.	L4,5 i 6 (10.15-12.30) online			Prof.dr.sc. Sonja Pezelj-Ribarić
17.11.2025.	L7, 8 i 9 (10.15-12.30) online			Prof.dr.sc. Sonja Pezelj-Ribarić
24.11.2025.	L10, 11, 12 (10.15-12.30) Krešimirova 40			Prof.dr.sc. Sonja Pezelj-Ribarić
1.12.2025.	L13,14, 15 (10.15-12.30) online			Prof.dr.sc. Sonja Pezelj-Ribarić
8.12.2025.	L16, P17 i P18 (10.15-12.30) Online			Prof.dr.sc. Sonja Pezelj-Ribarić
15.12.2025.	L19, 20 i 21 (10.15-12.30) Krešimirova 40			Prof.dr.sc. Sonja Pezelj-Ribarić



22.12.2025.	L22, P23, 24,25 Online			Prof.dr.sc. Sonja Pezelj-Ribarić
12.1.2026.	L 26 i 27 (10.15-12.30) Online			Prof.dr.sc. Irena Glažar
19.1.2026.	L28,29,30 (10.15-12.30) Online			Prof.dr.sc. Irena Glažar
23.02.2026.			P1D (11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
26.2.2026.	L 31 (12.30-13.15) Krešimirova 40			Prof.dr.sc. Irena Glažar
2.3.2026.			P2D (11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
5.3.2026.	L 32 (12.30-13.15) Krešimirova 40			Prof.dr.sc. Irena Glažar
9.3.2026.			P3D (11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
12.3.2026.	L 33 (12.30-13.15) Krešimirova 40			Prof.dr.sc. Irena Glažar
16.3.2026.			P4D (11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
19.3.2026.	L 34 (12.30-13.15) Krešimirova 40			Prof.dr.sc. Irena Glažar
23.3.2026.			P5D (11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
26.3.2026.	L 35 (12.30-13.15) Krešimirova 40			Prof.dr.sc. Irena Glažar
30.3.2026.			P6D (11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
2.4.2026.	L 35 (12.30-13.15) Krešimirova 40			Prof.dr.sc. Irena Glažar
9.4.2026.	L 36 (12.30-13.15) Krešimirova 40			P7D(11-12.30) Krešimirova 40
13.4.2026.			P7D(11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
16.4.2026	L 37 (12.30-13.15) Krešimirova 40			Prof.dr.sc. Irena Glažar
20.4.2026.			P8D(11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD



23.4. 2026.	L 38 (12.30 13.15) Krešimirova 40			Prof.dr.sc. Irena Glažar
27.4.2026.			P9D(11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
29.4.2026.	L 39 (12.30 13.15) Online			Prof.dr.sc. Irena Glažar
4.5.2026.			P10D(11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
7.5.2026.	L 40 (12.30 13.15) Krešimirova 40			Prof.dr.sc. Irena Glažar
11.5.2026.			P11D(11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
14.5.2026.	L41-44 Online			Prof.dr.sc. Irena Glažar
18.5.2026.			P12D(11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
21.5.2026.	L45 (12.30 13.15) Krešimirova 40			Prof.dr.sc. Irena Glažar
25.5.2026.			P13D(11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD
28.5.2026.	Colloquim			
1.6.2026.			P14D(11-12.30) Krešimirova 40	Ema Saltović, PhD Ella Sever, PhD

List of lectures:

L1. Introduction, histological and anatomical features of the oral mucosa, examination of the patient. Examinations in oral medicine. Defence factors in the oral cavity.
Learning Outcomes
Define the aims of the oral medicine course. Define the histological and anatomical features of the oral mucosa. Explain oral testing in oral medicine. Define the defence factors of the oral cavity. Explain the examination of the oral mucosa.

L2. Pathological phenomena of the oral mucosa, microscopically and macroscopically.
Learning outcomes: Define pathological microscopic and macroscopic changes of the oral mucosa.

L3. Criteria for categorising oral diseases. Common anatomical forms.
Learning outcomes. Define common anatomical forms of the oral mucosa and criteria for categorising oral diseases.



L4. I P5 Fungal infections of the oral mucosa.

Learning outcomes: Define fungal infections of the oral mucosa. Explain the classification of fungal infections

L6. Therapy of fungal infections.

Learning outcomes. Explain how to carry out localised antifungal therapy.

L7 and L8. Bacterial infections of the oral mucosa

Learning objectives. Define bacterial infections of the oral mucosa. Explain the classification of bacterial infections of the oral mucosa.

L9. Therapy of bacterial infections of the oral mucosa.

Learning outcomes. Explain how to carry out local and systemic antibacterial therapy.

L10, 11 and 12 Evidence-based oral medicine

L13, 14 and 15. viral infections of the oral mucosa.

Learning outcomes. Definition of bacterial infections of the oral mucosa.

Treatment of viral infections.

Learning outcomes. Explain how to administer local and systemic antiviral therapy.

L16, 17, 18. Adverse drug reactions on the oral mucosa

Learning outcomes

Define adverse effects of drugs on the oral mucosa.

Injuries to the oral mucosa.

Learning outcomes

Define oral mucosal injuries.

Explain how to treat oral mucosal injuries

L19, L20, L21 . Evidence-based oral medicine

L22 Diseases of the salivary glands.

Learning outcomes

Define diseases of the salivary glands.

L23. Disorders of salivary secretion.

Learning outcomes

Explain the mechanisms of salivary secretion disorders

L24. Burning mouth syndrome

Learning outcomes

Define the pain

Define the aetiology, diagnosis and treatment of burning mouth syndrome

L25,26,27 Mucocutaneous autoimmune diseases

Learning outcomes

Define mucocutaneous autoimmune diseases.

Systemic autoimmune diseases and manifestations in the oral cavity.

Learning outcomes

Define systemic autoimmune diseases and their manifestations in the oral cavity.

L28,29 and 30 Evidence-based oral medicine

L31 Oral allergic reactions

Learning outcomes

Define the mechanisms of allergic reactions, aetiology, diagnosis and treatment of oral allergic reactions.

L32. Oral precancerous lesions.



Learning outcomes

Explain oral precancerous lesions

L33. Malignant changes of the oral mucosa

Learning outcomes

Define malignant changes in the oral mucosa.

L34. Prevent oral complications of radiotherapy and chemotherapy of malignant processes of the head and neck.

Learning outcomes

Explain the measures to prevent complications of radiotherapy and chemotherapy for head and neck malignancies.

L35 Hereditary and developmental abnormalities of the oral mucosa.

Learning outcomes: Define hereditary and developmental abnormalities of the oral mucosa.

L36 Disorders of the tongue.

Learning outcomes

Define diseases of the tongue.

Explain how to prescribe therapy for diseases of the tongue.

L37 Diseases of the palate.

Learning outcomes

Define diseases of the palate.

Explain how to prescribe therapy for diseases of the palate.

L38 Diseases of the lips.

Learning outcomes

Definition of lip disorders

Explain how to prescribe treatment for lip disorders.

L39 Focal infection

Learning outcomes

Explain the causes of focal infection.

Discuss diagnostic and therapeutic options.

L39-P45 Evidence-based oral medicine



Sveučilište u Rijeci
University of Rijeka



Sveučilište u Rijeci • Fakultet dentalne medicine
University of Rijeka • Faculty of Dental Medicine

Krešimirova 40/42 • 51000 Rijeka • CROATIA
Phone : + 385 51 559 200; 559 202, 559 203

--	--	--	--



	PRACTICALS (Topics)	Teaching hours	Location/Lecture room
1	Anatomical and physiological characteristics of the healthy oral mucosa	1	
2	Admission of the patient, general anamnesis, family anamnesis, medical anamnesis, filling in the patient's file	1	
3	Examination of the oral cavity by areas of the oral mucosa, oral tests	1	
4	Indications for laboratory tests, principles of oral mucosal therapy	1	
5	Examination of patients with injuries of the oral mucosa, diagnostics and therapy	1	
6	Examination of patients with non-specific oral manifestations of bacterial infections, diagnostics and therapy	1	
7	Examination of patients with oral bacterial infections, diagnostics and therapy	1	
8	Examination of patients with oral viral infections, diagnostics and therapy	1	
9	Examination of patients with fungal infections - oral candidiasis, diagnostics and therapy	1	
10	Examination of patients with oral precancerous lesions - leukoplakia, lichen planus, diagnosis and therapy	1	
11	Examination of patients with glandular secretion disorders of the salivary gland - xerostomia, diagnosis and therapy	1	
12	Burning and pain syndrome in the mouth - glossopyrosis, palatopyrosis, oral examination	1	
13	Biostimulative laser therapy	1	
14	Biostimulative laser therapy	1	
15	Biostimulative laser therapy	1	
	TOTAL TEACHING HOURS	15	

	FINAL EXAM DATES
1.	
2.	
3.	



Sveučilište u Rijeci
University of Rijeka



Sveučilište u Rijeci • Fakultet dentalne medicine
University of Rijeka • Faculty of Dental Medicine

Krešimirova 40/42 • 51000 Rijeka • CROATIA
Phone : + 385 51 559 200; 559 202, 559 203

	Lectures	Seminars	Practicals	Total
Total number	45	15	1575	
On-line	25			
Percentage	33%			33%

2.