



Course: Oral medicine 1

Course Coordinator: Sonja Pezelj-Ribatić, PhD, Professor

Course Collaborators: Miranda Muhvić Urek , PhD, Professor, Irena Glažar, PhD, Professor, Ella Sever, PhD, Ema Saltović, PhD, Lucija Hero Marijanović,DMD

Department: Oral medicine

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

Study year: 4th

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 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



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 I 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 seminars with descriptions:

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):

Student assessment is carried out in accordance with the current Regulations on Studies and Studying at the University of Rijeka. Student work and achievements are evaluated during classes and at the final exam.

Assessment is carried out using the ECTS grading system (A–F) and the numerical grading system (1–5). ECTS grades are awarded according to the principle of absolute distribution.

During the semester and at the final exam, a student can achieve a total of 100 grade points:



**70 grade points during the semester, of which 30 points at the entrance exam and 40 points through continuous assessment of theoretical knowledge and practical skills during classes;
30 grade points at the final exam, of which 15 points at the practical and 15 points at the oral part of the exam.**

Assessment during classes

At the beginning of the 8th semester, before the start of clinical exercises, an entrance knowledge assessment (entrance exam) is carried out in written and/or oral form. The goal of the entrance exam is to verify the basic theoretical knowledge necessary for the safe and proper performance of clinical exercises and work with patients.

The student is required to achieve at least 50% of the total possible points on the entrance exam. A student who does not achieve the specified threshold cannot begin performing clinical exercises on patients.

During the course of classes, students are continuously evaluated, assessing their theoretical knowledge, practical skills, independence in work, application of acquired knowledge in clinical practice, and responsible and professional behavior. Evaluation is conducted by the clinical exercise leaders.

To gain the right to take the final exam, a student must achieve at least 35 out of a total of 70 possible grade points during classes.

A student who achieves less than 35 grade points during classes has not met the requirement for taking the final exam and is assessed with a failed (F) grade and is required to re-enroll in the course.

Final exam

The final exam is held at the end of the 8th semester and consists of a practical and oral part.

In the final exam, a student can achieve a total of 30 grade points, as follows:

15 grade points in the practical part of the exam;

15 grade points in the oral part of the exam.

To successfully pass the final exam, a student must achieve at least 50% of the total possible points in the practical part and at least 50% of the total possible points in the oral part of the exam.

The student is required to bring a duly completed clinical practice checklist to the final exam, which documents the achievement of the prescribed outcomes of clinical teaching.

A student who does not meet the criteria for successfully passing the final exam receives a grade of failed (F), regardless of the number of grade points achieved during the semester.

Final grade

The final grade is formed based on the total number of grade points achieved during the semester and in the final exam, provided that the minimum criteria for admission and passing the final exam have been previously successfully achieved.



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.

COURSE SCHEDULE (for the academic year 2026/2027)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor
2.11.2026	L1,2 i 3 (10.15-12.30)			Prof.dr.sc. Sonja Pezelj-Ribarić
9.11.2026	L4,5 i 6 (10.15-12.30)			Prof.dr.sc. Sonja Pezelj-Ribarić
16.11.2026	L7, 8 i 9 (10.15-12.30)			Prof.dr.sc. Sonja Pezelj-Ribarić
23.11.2026	L10, 11, 12 (10.15-12.30)			Prof.dr.sc. Sonja Pezelj-Ribarić
30.11.2026	L13,14, 15 (10.15-12.30)			Prof.dr.sc. Sonja Pezelj-Ribarić
7.12.2026	L16, P17 i P18 (10.15-12.30)			Prof.dr.sc. Sonja Pezelj-Ribarić
14.12.2026	L19, 20 i 21 (10.15-12.30)			Prof.dr.sc. Sonja Pezelj-Ribarić
21.12.2026	L22, P23, 24,25			Prof.dr.sc. Sonja Pezelj-Ribarić
11.1.2027	L 26 i 27 (10.15-12.30)			Prof.dr.sc. Irena Glažar



18.1.2027	L28,29,30 (10.15-12.30)			Prof.dr.sc. Irena Glažar
22.2.2027	Colloquium			
22.2.2027			P1D (11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
25.2.2027	L 31 (12.30-13.15)			Prof.dr.sc. Irena Glažar
1.3.2027			P2D (11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
4.3.2027	L 32 (12.30-13.15)			Prof.dr.sc. Irena Glažar
8.3.2027			P3D (11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
11.3.2027	L 33 (12.30-13.15)			Prof.dr.sc. Irena Glažar
15.3.2027			P4D (11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
18.3.2027	L 34 (12.30-13.15)			Prof.dr.sc. Irena Glažar
22.3.2027			P5D (11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
25.3.2027	L 35 (12.30-13.15)			Prof.dr.sc. Irena Glažar
1.4.2027	L 36 (12.30-13.15)			Prof.dr.sc. Irena Glažar
5.4.2027			P6D (11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
8.4.2027	L 37 (12.30-13.15)			Prof.dr.sc. Irena Glažar
12.4.2027			P7D(11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
15.4.2017	L 38 (12.30 13.15)			Prof.dr.sc. Irena Glažar
19.4.2027			P8D(11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
22.4.2027	L 39 (12.30 13.15)			Prof.dr.sc. Irena Glažar
26.4.2027			P9D(11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
29.4.2027	L 40 (12.30-13.15)			Prof.dr.sc. Irena Glažar
3.5.2027			P10D(11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
6.5.2027	L41-43			Prof.dr.sc. Irena Glažar



10.5.2027			P11D(11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
13.5.2027	L44(12.30-13.15)			Prof.dr.sc. Irena Glažar
17.5.2027			P12D(11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
20.5.2027	L45(12.30-13.15)			Prof.dr.sc. Irena Glažar
24.5.2027			P13D(11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
31.5.2027			P14D(11-12.30)	Ema Saltović, PhD Ella Sever, PhD Lucija Hero Marijanović, DMD
3.6.2027	Colloquim			

List of lectures, seminars and practicals:

	LECTURES (Topics)	Teaching hours	Location/Lecture room
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.	1	
L2	Pathological phenomena of the oral mucosa, microscopically and macroscopically. Learning outcomes: Define pathological microscopic and macroscopic changes of the oral mucosa	1	
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.	1	
L4	Fungal infections of the oral mucosa. Learning outcomes: Define fungal infections of the oral mucosa. Explain the classification of fungal infections	1	
L5	Fungal infections of the oral mucosa. Learning outcomes: Define fungal infections of the oral mucosa. Explain the classification of fungal infections	1	
L6	Therapy of fungal infections.	1	



	Learning outcomes. Explain how to carry out localised antifungal therapy.		
L7	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.	1	
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.	1	
L9	Therapy of bacterial infections of the oral mucosa. Learning outcomes. Explain how to carry out local and systemic antibacterial therapy.	1	
L10	Evidence-based oral medicine	1	
L11	Evidence-based oral medicine	1	
L12	Evidence-based oral medicine	1	
L13	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.	1	
L14	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.	1	
L15	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.	1	
L16	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	1	
L17	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	1	
L18	Adverse drug reactions on the oral mucosa Learning outcomes	1	



	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	Evidence-based oral medicine	1	
L20	Evidence-based oral medicine	1	
L21	Evidence-based oral medicine	1	
L22	Diseases of the salivary glands. Learning outcomes Define diseases of the salivary glands.	1	
L23	Disorders of salivary secretion. Learning outcomes Explain the mechanisms of salivary secretion disorders	1	
L24	Burning mouth syndrome Learning outcomes Define the pain Define the aetiology, diagnosis and treatment of burning mouth syndrome	1	
L25	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	1	
L26	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	1	
L27	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	1	
L28	Evidence-based oral medicine	1	
L29	Evidence-based oral medicine	1	
L30	Evidence-based oral medicine	1	
L31	Oral allergic reactions Learning outcomes Define the mechanisms of allergic reactions, aetiology,	1	



	diagnosis and treatment of oral allergic reactions		
L32	Oral precancerous lesions Learning outcomes Explain oral precancerous lesions	1	
L33	Malignant changes of the oral mucosa Learning outcomes Define malignant changes in the oral mucosa	1	
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	1	
L35	Hereditary and developmental abnormalities of the oral mucosa. Learning outcomes: Define hereditary and developmental abnormalities of the oral mucosa.	1	
L36	Disorders of the tongue. Learning outcomes Define diseases of the tongue. Explain how to prescribe therapy for diseases of the tongue.	1	
L37	Diseases of the palate. Learning outcomes Define diseases of the palate. Explain how to prescribe therapy for diseases of the palate.	1	
L38	Diseases of the lips. Learning outcomes Definition of lip disorders Explain how to prescribe treatment for lip disorders.	1	
L39	Focal infection Learning outcomes Explain the causes of focal infection. Discuss diagnostic and therapeutic options.	1	
L40	Evidence-based oral medicine	1	
L41	Evidence-based oral medicine	1	
L42	Evidence-based oral medicine	1	
L43	Evidence-based oral medicine	1	
L44	Evidence-based oral medicine	1	
L45	Evidence-based oral medicine	1	
	TOTAL TEACHING HOURS	45	

	PRACTICALS (Topics)	Teaching hours	Location/Lecture room
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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.	15.6.2027
2.	29.6.2027
3.	7.9.2027
4.	21.9.2027

	Lectures	Seminars	Practicals	Total
Total number				
On-line				



Sveučilište u Rijeci
University of Rijeka



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Percentage				
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