



Sveučilište u Rijeci
University of Rijeka



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

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University of Rijeka
FACULTY OF DENTAL MEDICINE

Course: Oral surgery I

Leader: Prof. Ivan Galić, PhD, DMD

Department: Department of Oral Surgery

Study: University Integrated Undergraduate and Graduate Study of Dental Medicine

Study Year: 4th year

Academic Year: 2025/2026

SYLLABUS

Information about the course (brief description of the course, general instructions, where and in what form classes are organized, necessary supplies, instructions on attendance and preparation for classes, student obligations, etc.):

The course **Oral Surgery I** is a mandatory course in the fourth year (8th semester) of the University Integrated Undergraduate and Graduate Study of Dental Medicine and consists of 15 hours of lectures and 30 hours of practicals, a total of 45 hours (**2.5 ECTS**). The course is taught on the premises of the Clinic for Dental Medicine at the Clinical Hospital Centre Rijeka.

Target: The goal of the course is to demonstrate to students the correct medical history taking and the performance of the first dental clinical examination with an emphasis on oral surgery issues and differential diagnosis of pathological changes in the oral cavity. The goal of the course is to enable the student to acquire knowledge and skills in local anaesthesia, tooth extraction, and the treatment of complications during and after extraction. Also, the goal is to enable the student to acquire the knowledge and skills to recognize all clinical pictures of odontogenic infection and to treat them, including intraoral incisions and prescribing antibiotic therapy based on the clinical picture. During the practicals, enabling the student to analyse the appropriate radiological images needed in the diagnosis and treatment of oral surgical case and familiarize the student with individual indications for the most common oral surgical operations (alveotomy and apicoectomy), cystic processes and the basic principles of surgical treatment of jaw cysts and surrounding tissues, as well as



certain traumatic dental injuries and alveolar ridge as well as appropriate methods of treatment. By teaching differential diagnostics and the clinical picture of benign and malignant changes, students will be introduced to the differences between benign and malignant lesions. Through clinical exercises to acquaint the student with specific indications for pre-prosthetic surgical procedures, and by assisting in dentoalveolar operations, enable the student to acquire the skills to assist and prepare the patient for the procedure.

Course enrollment requirements: Passed exam for the course Preclinical Oral Surgery.

The content of the course is as follows: Radiological diagnostics in oral surgery, retained and impacted teeth, treatment of retained and impacted teeth, alveotomy, dental trauma, tooth transplantation, jaw and mouth trauma, purulent inflammation of the jaw and surrounding soft tissues, clinical picture, diagnosis and treatment of odontogenic infection, antibiotics in treatment of odontogenic infection, apicoectomy

Teaching: Classes are conducted through lectures and practicals.

Possibility of conducting classes in a foreign language: No.

Student obligations: Students must regularly attend lectures and may be absent for up to 30% of the total number of lectures. If absent, students must present a valid doctor's note.

Assigned reading:

Ćabov T. Oralnokirurški priručnik. Medicinska naklada, Zagreb, 2021.

Miše I. Oralna kirurgija. Medicinska naklada, Zagreb, 1991.

Knežević G i sur. Oralna kirurgija 2. Medicinska naklada, Zagreb, 2003.

Macan D. Analgezija u stomatologiji i samoliječenje. Hrvatski stom vjesnik. 2007;14/4:9- 14. 10.

Macan D. Primjena antimikrobnih lijekova u stomatologiji. Sonda. 2003; 8/9:40-41.

Optional/additional reading:

Gabrić D i sur. Lokalna anestezija u dentalnoj medicini. Medicinska naklada, Zagreb, 2015.



Macan D. Antimikrobna terapija u stomatologiji. U: Peršec J (ur.). Anesteziologija u dentalnoj medicini. Medicinska naklada, Zagreb, 2019. str. 210-234.

Hupp JR, Ellis III E, Tucker MR. Contemporary Oral and Maxillofacial Surgery. Mosby Elsevier, St. Louis, 2008.

Little JW, Falace DA, Miller CS, Rhodus NL. Dental Management of the Medically Compromised Patient. Mosby, 2017.

Malamed S. Handbook of Local Anesthesia. Mosby, St. Louis, 2004.

Exam (method of taking the exam, description of the written/oral/practical part of the exam, method of scoring, assessment criteria):

Student assessment is carried out in accordance with the current Ordinance on Studies of the University of Rijeka. Student assessment is conducted using the ECTS grading scale (A-F) and the numerical scale (1-5). Assessment in the ECTS system is carried out by absolute distribution.

Students can earn a maximum of 70 points in classes and 30 points on the final exam.

Out of the maximum 70 points that can be achieved during classes, the student must collect a minimum of 35 points to take the final exam. Students who score less than 35 points will have the opportunity to take one remedial intermediate exam. If they pass that exam, they will be able to take the final exam. Students who achieve between 35 and 42 points are entitled to take the final exam, which is considered a make-up exam and is not scored; in that case, the final grade can only be a 2. Students who achieve less than 35 grade points (F grade category) must re-enroll in the course.

The student acquires grade points by actively participating in classes:

A TOTAL OF 70 POINTS

Students who have earned more than 35 points in classes must take the final exam, which can earn a maximum of 30 points.

The final exam is written (up to 30 points).

Assessment in the ECTS system is carried out by absolute distribution, i.e., based on the final achievement:

excellent (5) A - 90 to 100%



very good (4) B - 75 to 89.9%

good (3) C - 60 to 74.9%

sufficient (2) D - 50 to 59.9%

insufficient (1) F - 0 to 49.9%

Other notes (related to the course) important for students:

Any use of someone else's text or other form of copyrighted work, as well as the use of ChatGPT or any other another tool whose functionality is based on AI technology, without a clear and unambiguous citation of the source, is considered a violation of someone else's copyright and the principle of academic integrity, and represents a serious violation of student obligations, which entails disciplinary liability and disciplinary measures in accordance with Ordinance on Disciplinary Responsibility of Students.

Consultation hours: Thursdays from 10 a.m. to 11 a.m.

Teaching content and all information related to the course, as well as exam dates, can be found on the website of the Department of Oral Surgery.

List of lectures (with titles and explanations):

P1-P2. Radiological diagnostics in oral surgery.

Learning outcomes: Describe and analyze radiographic images used in oral surgical diagnosis. Identify the most common pathological changes visible on radiological images. Acquire knowledge of the correct indications for individual radiological diagnostics.

P3-P4. Retained and impacted teeth.

Learning outcomes: Explain the concept of retained and impacted teeth. Diagnose impacted and retained teeth. Acquire knowledge and clearly define the indication/contraindication for the treatment of retained and impacted teeth. Adopt the basic principles of treatment of pericoronitis.

P5. Treatment of retained and impacted teeth.



Learning outcomes: Acquire knowledge of treatment options for impacted and retained teeth. Clearly define the indication/contraindication for the surgical extraction of impacted and retained teeth.

P6. Alveotomy.

Learning outcomes: Adopt the basic principles of dentoalveolar surgery. Understand the most common indications for alveolotomy and be able to recognize the most common indications for alveolotomy.

P7-P8. Dental trauma.

Learning outcomes: Diagnose traumatic injuries of the teeth, alveolar ridge, and mucosa. Explain the procedures for treating traumatic injuries.

P9. Tooth transplantation.

Learning outcomes: Explain the most common indications for tooth transplantation. Adopt the basic principles of tooth transplantation.

P10.-P11. Oral surgery in medically compromised patients.

Learning outcomes: Explain the term medically compromised patient. Adopt the basic principles of the approach to a medically compromised patient. Explain the individual protocols of oral surgery in medically compromised patients.

P12.-P13. Clinical picture, diagnosis, and treatment of odontogenic infection.

Learning outcomes: Explain the most common causes and symptoms of odontogenic inflammation. Diagnose the cause of odontogenic inflammation. Adopt the principles for treating odontogenic inflammation. Explain the treatment procedures for odontogenic inflammation.

P14. Antibiotics in the treatment of odontogenic infection.

Learning outcomes: To adopt the most common microbiological causes of odontogenic inflammation. Understand the correct indication for antibiotic change. Choose the appropriate antibiotic in the correct dosage for the treatment of odontogenic inflammation.

P15. Apicoectomy.



Learning outcomes: Set the correct indication for apicoectomy. Understand and explain individual surgical techniques of apicoectomy.

List of practicals (with titles and explanations):

Practicals in the Oral Surgery course are performed at the Clinic for Dental Medicine of the Clinical Hospital Center Rijeka. Before accessing the exercises, students must acquire theoretical knowledge that they will apply in practice.

Students will perform practical exercises under the instructor's active supervision on patients referred for specialist examinations and procedures in the oral surgery office of the Clinic for Dental Medicine.

COURSE SCHEDULE (for the academic year 2025/2026)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Teacher
23.02.2026.			P1 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
25.02.2026.	L1 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
2.03.2026.			P2 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD



4.03.2026.	L2 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
9.03.2026.			P3 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
11.03.2026.	L3 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
16.03.2026.			P4 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
18.03.2026.	L4 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
23.03.2026.			P5 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
25.03.2026.	L5 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
30.03.2026.			P6 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD



1.04.2026.	L6 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
8.04.2026.	L7 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
13.04.2026.			P7 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
15.04.2026.	L8 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
20.04.2026.			P8 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
22.04.2026.	L9 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
27.04.2026.			P9 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
29.04.2026.	L10 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD



4.05.2026.			P10 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
6.05.2026.	L11 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
11.05.2026.			P11 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
13.05.2026.	L12 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
18.05.2026.			P12 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
20.05.2026.	L13 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD
25.05.2026.			P13 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
27.05.2026.	L14 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD



1.06.2026.			P14 Group D 17:00 – 18:30 Office 8, Krešimirova 40	Ana Barbalić, DMD Iva Zeneral Žuža, DMD
3.06.2026.	L15 10:00 – 10:45 Lecture room, Krešimirova 42			Prof. Tomislav Čabov, PhD, DMD

List of lectures:

	LECTURES (lecture topic)	Number of teaching hours	Venue
L1-L2	Radiological diagnostics in oral surgery	2	Krešimirova 42
L3-L4	Retained and impacted teeth	2	Krešimirova 42
L5	Treatment of retained and impacted teeth	1	Krešimirova 42
L6	Alveotomy	1	Krešimirova 42
L7-L8	Dental trauma	2	Krešimirova 42
L9	Tooth transplantation	1	Krešimirova 42
L10-L11	Oral surgery in medically compromised patients	2	Krešimirova 42
L12-L13	Clinical picture, diagnosis and treatment of odontogenic infection	2	Krešimirova 42
L14	Antibiotics in the treatment of odontogenic infection	1	Krešimirova 42



L15	Apicoectomy	1	Krešimirova 42
Total number of lecture hours		15	

List of practicals:

	Practicals (exercise topic)	Number of teaching hours	Venue
P1	Introduction to practicals, rules of conduct in the operating room	2	Krešimirova 40
P2	Local anesthesia	2	Krešimirova 40
P3	Terminal anesthesia, surface anesthesia	2	Krešimirova 40
P4	Block anesthesia	2	Krešimirova 40
P5	Inferior alveolar nerve block	2	Krešimirova 40
P6	Complications of local anesthesia	2	Krešimirova 40
P7	Instruments for tooth extraction	2	Krešimirova 40
P8	Indications for tooth extraction	2	Krešimirova 40
P9	Contraindications for tooth extraction	2	Krešimirova 40
P10	Tooth extraction techniques	2	Krešimirova 40
P11	Tooth extraction in high-risk patients	2	Krešimirova 40
P12	Intraoperative complications in tooth extraction	2	Krešimirova 40
P13	Root fracture	2	Krešimirova 40
P14	Oroantral communication	2	Krešimirova 40
P15	Bleeding after tooth extraction	2	Krešimirova 40



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	Total number of practicals hours	30	
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	EXAM DATES (final exam)
1.	8.06.2026.
2.	23.06.2026.
3.	10.07.2026.