



Sveučilište u Rijeci
University of Rijeka



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University of Rijeka • Faculty of Dental Medicine

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

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: 2026/2027

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 Integrated Undergraduate and Graduate University 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 of 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 about local anaesthesia, tooth extraction and treatment of all complications during and after extraction. Also the goal is to enable the student to acquire knowledge to recognize all clinical pictures of odontogenic infection and skills for treatment, including intraoral incisions and prescribing antibiotic therapy depending on the clinical picture of odontogenic infection. 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 skill of assisting as well as preparing 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 odontogenic infection, apicoectomy



Teaching: Classes are conducted in the form of lectures and practicals.

Possibility of conducting classes in a foreign language: No.

Student obligations: Students are obligated to regularly attend lectures and can be absent on maximum 20% of total number of lectures. In case of absence, students need to present a valid doctor's note.

Assigned reading:

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. The assessment of students is carried out using the ECTS (A-F) and the numerical system (1-5). Assessment in the ECTS system is carried out by absolute distribution.

Students can achieve a maximum of 50 points during classes, and 50 points on the final exam.

Out of the maximum 50 points that can be achieved during classes, the student must collect a minimum of 25 points to take the final exam.

Students who have earned more than 25 points during classes must take the final exam where they can earn a maximum of 50 points.

The final exam is written (up to 50 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):

L1-L2. Radiological diagnostics in oral surgery.

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

L3-L4. 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.

L5. Treatment of retained and impacted teeth.

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

L6. Alveotomy.

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

L7.-L8. 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.

L9.-L10. 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 of treatment of odontogenic inflammation. Explain the treatment procedures for odontogenic inflammation.



L11. 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.

L12. Apicoectomy.

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

L13-L14. Dental trauma.

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

L15. Tooth transplantation.

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

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 are required to acquire theoretical knowledge that they will perform practically.

Students will practically perform exercises with the active participation of the instructor 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 2026/2027)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Teacher
22.02.2027.			P1 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
26.02.2027.	L1-L6 Merlin			Asst. Prof. Marko Blašković, PhD, DMD



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1.03.2027.			P2 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
5.03.2027.	L7-L11 Merlin			Asst. Prof.Marko Blašković, PhD, DMD
8.03.2027.			P3 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
12.03.2027.	L12 Merlin			Asst. Prof.Marko Blašković, PhD, DMD
15.03.2027.			P4 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
22.03.2027.			P5 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
2.04.2027.	L13-L14 Merlin			Asst. Prof.Ivana Vidović Zdrilić, PhD, DMD
5.04.2027.			P7 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
9.04.2027.	L15 Merlin			Prof.Alen Braut, PhD, DMD
12.04.2027.			P8 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
19.04.2027.			P9 Group D 17:45 – 19:15	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD



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			Office 8, Krešimirova 40	
26.04.2027.			P10 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
3.05.2027.			P11 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
10.05.2027.			P12 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
17.05.2027.			P13 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
24.05.2027.			P14 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD
31.05.2027.			P15 Group D 17:45 – 19:15 Office 8, Krešimirova 40	Ana Barbalić,DMD Iva Zeneral Žuža,DMD, PhD

List of lectures:

	LECTURES (lecture topic)	Number of teaching hours	Venue
L1-L2	Radiological diagnostics in oral surgery	2	Merlin



L3-L4	Retained and impacted teeth	2	Merlin
L5	Treatment of retained and impacted teeth	1	Merlin
L6	Alveotomy	1	Merlin
L7-L8	Oral surgery in medically compromised patients	2	Merlin
L9-L10	Clinical picture, diagnosis and treatment of odontogenic infection	2	Merlin
L11	Antibiotics in the treatment of odontogenic infection	1	Merlin
L12	Apicoectomy	1	Merlin
L13-L14	Dental trauma	2	Merlin
L15	Tooth transplantation	1	Merlin
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



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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
Total number of practicals hours		30	

	EXAM DATES (final exam)
1.	19.06.2027.
2.	3.07.2027.
3.	4.09.2027.