



Sveučilište u Rijeci
University of Rijeka



University of Rijeka • Faculty of Dental Medicine

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University of Rijeka

FACULTY OF DENTAL MEDICINE

Course: Preclinical Oral Surgery

Course Coordinator: Prof. Ivan Galić, DMD, PhD

Department: Department of Oral Surgery

Study: University Integrated Undergraduate and Graduate Study of Dental Medicine

Year of study: 4.

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, obligations of students, etc.):

Course coordinator: Prof. Ivan Galić, DMD, PhD

Course collaborators: Prof. Tomislav Čabov, DMD, PhD

Asst. prof. Marko Blašković, DMD, PhD

Asst. prof. Darija Kveštak, PhD

Iva Zeneral Žuža, DMD

David Šaravanja, DMD

Lovre Labura, DMD

The course Preclinical Oral Surgery is a mandatory course in the fourth year (7th semester) of the University Integrated Undergraduate and Graduate Study of Dental Medicine and consists of 15 hours of lectures, 5 hours of seminars and 10 hours of practicals, a total of 30 hours (1.5 ECTS).

Goal: The purpose of the course is to introduce students to the basic goals and tasks of oral surgery as a specialist branch of dentistry, to explain the goals and tasks of the study program in oral surgery, and to train students to perform the most common procedures according to the program of clinical exercises from the course of oral surgery. The student must master theoretical and practical knowledge of local anesthesia and tooth extraction, as well as possible complications, in order to be able to participate in clinical exercises after passing the exam before enrolling in the 8th semester.

Course content: Classes are based on lectures, seminars and preclinical exercises on phantoms, and begin with an introductory lecture on oral surgery as a subject and profession. The content of the course includes lectures in the field of local anesthesia and tooth extraction, as well as complications during and after anesthesia and extraction. Classes are conducted simultaneously and in parallel with the content that is taught in the form of preclinical seminars where, in addition to the demonstration of local anesthesia techniques and instruments for tooth extraction, the student practices tooth extraction at a phantom workplace. The student is also introduced to the possibilities of disinfection and sterilization in oral surgery, and the necessary preparations of patients for surgery as well as postoperative care.

Conducting classes:

Classes are carried out in the form of lectures, exercises and seminars. Upon completion of the course, a final exam will be held. Students are required to attend all forms of classes. For seminars and preclinical exercises, theoretical preparation according to the topics of the lectures is mandatory. Without theoretical knowledge, the student is not allowed to work on preclinical models.



Assigned reading:

1. Hupp JR, Ellis III E, Tucker MR. Contemporary Oral and Maxillofacial Surgery. Mosby-Elsevier. St.Louis;2008.
2. Malamed S. Handbook of Local Anesthesia. Mosby. St. Louis;1997.
3. Little JW, Falace DA, Miller CS, Rhodus NL. Dental Management of the Medically Compromised Patient. Mosby. St. Louis;2008.

COURSE TEACHING PLAN:

List of lectures (with topics and descriptions):

P1. Introduction to oral surgery

Learning outcomes:

Explain the basics about the development of oral surgery.

P2-3. Anatomy of the oral area

Learning outcomes:

Define basic knowledge of the anatomy of the oral area.

P4. Disinfection and sterilization in oral surgery

Learning outcomes:

Define the basic procedures of disinfection and sterilization in oral surgery.

P5-6. Local Anesthesia in oral surgery and local anesthetics

Learning outcomes:

Describe and explain the possibilities of achieving analgesia.

Explain the techniques of performing local anesthesia (plexus and conductive).

Classify local anesthetics in oral surgery.

P7-8. Techniques for performing local anesthesia

Learning outcomes:

Explain all the techniques of performing local anesthesia in oral surgery.

P9. Complications of general and local anesthesia

Learning outcomes:

Explain possible early and late complications in the use of local anesthesia.

P10-11. Instruments in oral surgery

Learning outcomes:

Identify and describe instruments used in oral surgery.

P12-13. Extraction techniques

Learning outcomes:

Explain tooth extraction techniques.

P14. Complications during and after tooth extraction



Learning outcomes:

Explain possible complications during and after tooth extraction.

P15. Risk patients in oral surgery

Learning outcomes:

Explain the procedure of preparing patients for tooth extraction that belongs to the risk group (systemic diseases, premedication or reduction of certain drugs).

List of seminars (with topics and descriptions):

S1-3. Techniques for performing local anesthesia

Learning outcomes:

Explain the techniques of administering local anesthesia to the phantom.

S4-5. Tooth extraction techniques

Learning outcomes:

Explain the indications and contraindications for tooth extraction, phantom extraction techniques for individual teeth and recognize the instruments.

Explain local complications during and after tooth extraction.

List of exercises with descriptions:

Learning outcomes:

Describe the techniques of performing plexus and conductive anesthesia.

List and explain the possibilities of achieving analgesia.

Indicate complications with the use of local anesthesia.

Explain the techniques of tooth extraction (instruments, indications and contraindications, extraction techniques for individual teeth).

List and explain local complications during and after tooth extraction.

Describe the procedure for preparing patients who belong to the risk group of patients.

Skill learning outcomes:

Practice administering local anesthesia to the phantom.

Practice recognizing instruments.

Practice tooth extraction on a phantom.

Students' obligations:

Students are required to regularly attend and actively participate in all forms of classes. Theoretical knowledge prepared according to the topics of the lectures is mandatory for the participation of students in seminars and exercises. A maximum of 20% of each form of teaching may be absent with justification of the reasons. Absenteeism of more than 20% from any form of teaching, regardless of the reasons, prevents the student from taking the final exam and implies re-enrollment in the course in the next academic year. Two negative grades (C) obtained during exercises or seminars make it impossible to take the final exam, which implies re-enrollment in the course in the next academic year.



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

Student assessment is conducted in accordance with the current **University of Rijeka Study Regulations**. Students' performance is continuously assessed and graded throughout the course and through a final examination upon completion of the course. Fulfilment of all course requirements is a prerequisite for taking the final examination.

The final examination consists of a practical and a written component. The practical examination consists of a demonstration of the administration of anesthesia and tooth extraction procedures and carries a maximum of **10 points**. Successful completion of the practical examination is a prerequisite for taking the written examination, which consists of either open-ended questions or multiple-choice questions and carries a maximum of **40 points**.

Final Grade Calculation: The final grade is determined based on the average grade achieved in preclinical practical sessions and seminars (50% of the final grade) and performance on the final examination (50% of the final grade). Out of a total of **100 assessment points**, students may earn a maximum of **30 points** for practical work during preclinical practical sessions, a maximum of **20 points** for seminar activities, and a further **50 points** on the final examination.

Activity at practicals and seminars is scored as follows:

Grade on (A-C)	Rating (5-1)	Overall Average Rating	Number of points practical/seminar
A	5	4,5- 5	30/20
A/B	4	3,5- 4,49	25/17
B	3	2,50- 3,49	20/12
B/C	2	2- 2,49	15/10
C	1	0- 1,99	0

Student assessment is carried out using ECTS (A-F) and the numerical system (5-1) as follows: A (5) – 90-100 points B (4) – 75-89.99 points C (3) – 60-74.99 points D (2) – 50-59.99 points F (1) – 0-49.99 points.

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 tool whose functionality is based on artificial intelligence technology, without a clear and unambiguous indication 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 responsibility and disciplinary measures in accordance with the Ordinance on Disciplinary Responsibility of Students.

Consultation time: Friday 9-10 am with prior notice via e-mail.

TEACHING SCHEDULE (for the academic year 2026/2027)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Teacher
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28.09.2026.	L1 13:15-14:45 ONLINE			Prof. Tomislav Čabov
	L2 – L4 Krešimirova 40 Lecture room			Asst. prof. Darija Kveštak
01.10.2026.			P1 16:15-17:00 Krešimirova 42 Office No. 11	Lovre Labura, DMD
05.10.2026.	L5 – L9 Merlin			Asst. prof. Marko Blašković
08.10.2026.			P2 16:15-17:00 Krešimirova 42 Office No. 11	Lovre Labura, DMD
12.10.2026.	L10 – L15 Merlin			Asst. prof. Marko Blašković
15.10.2026.			P3 16:15-17:00 Krešimirova 42 Office No. 11	Lovre Labura, DMD
22.10.2026.			P4 16:15-17:00 Krešimirova 42 Office No. 11	Lovre Labura, DMD
29.10.2026.			P5 16:15-17:00 Krešimirova 42 Office No. 11	Lovre Labura, DMD
05.11.2026.			P6 16:15-17:00 Krešimirova 42 Office No. 11	Lovre Labura, DMD
12.11.2026.			P7 16:15-17:00 Krešimirova 42 Office No. 11	Lovre Labura, DMD
19.11.2026.			P8 16:15-17:00 Krešimirova 42 Office No. 11	Lovre Labura, DMD
26.11.2026.			P9 16:15-17:00 Krešimirova 42 Office No. 11	Lovre Labura, DMD
03.12.2026.			P10 16:15-17:00 Krešimirova 42 Office No. 11	Lovre Labura, DMD
10.12.2026.		S1 – S2 14:00-15:30 Krešimirova 42 Lecture room		Iva Zeneral Žuža, DMD
17.12.2026.		S3 14:00-14:45 Krešimirova 42 Lecture room		Iva Zeneral Žuža, DMD
07..01.2027.		S4 14:00-14:45 Krešimirova 42 Lecture room		Iva Zeneral Žuža, DMD



14.01.2027.		S5 14:00-14:15 Krešimirova 42 Lecture room		Iva Zeneral Žuža, DMD
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	LECTURES (lecture topic)	Teaching hours	Location/Lecture room
L1	Introduction to Oral Surgery	1	Krešimirova 40/Lecture Room
L2-L3	Anatomy of the oral area	2	Krešimirova 40/Lecture Room
L4	Disinfection and sterilization in oral surgery	1	Krešimirova 40/Lecture Room
L5-L6	Local Anesthesia in Oral Surgery and Local Anesthetics	2	Krešimirova 40/Lecture Room
L7-L8	Techniques for performing local anesthesia	2	Krešimirova 40/Lecture Room
L9	Complications of general and local anesthesia	1	Krešimirova 40/Lecture Room
L10-L11	Instruments in Oral Surgery	2	Krešimirova 40/Lecture Room
L12-L13	Extraction techniques	2	Krešimirova 40/Lecture Room
L14	Surgical suturing	1	Krešimirova 40/Lecture Room
L15	Surgical suturing	1	Krešimirova 40/Lecture Room
	Total number of lecture hours	15	

	SEMINARS (topics)	Teaching hours	Location/Lecture room
S1-S3	Techniques for performing local anesthesia	3	Krešimirova 40
S4-S5	Tooth extraction techniques	2	Krešimirova 40
	Total number of hours of the seminar	5	

	PRACTICALS (topics)	Teaching hours	Location/Lecture room
P1	Getting acquainted with the workplace	1	Krešimirova 42/Office No.11
P2	Demonstration of posture when working on a patient (phantom)	1	Krešimirova 42/Office No.11
P3	Demonstration of superficial anesthesia and Terminal anesthesia on phantoms	1	Krešimirova 42/Office No.11



P4	Demonstration of conductive local anesthesia on a phantom	1	Krešimirova 42/Office No.11
P5	Conductive anesthesia of N. alveolaris inf.	1	Krešimirova 42/Office No.11
P6	Complications of local anesthesia	1	Krešimirova 42/Office No.11
P7	Tooth extraction instruments	1	Krešimirova 42/Office No.11
P8	Tooth extraction techniques	1	Krešimirova 42/Office No.11
P9	Complications after tooth extraction	1	Krešimirova 42/Office No.11
P10	Risk patients in oral surgery	1	Krešimirova 42/Office No.11
Total Hours of Practice		10	

	EXAM DATES (final exam)
1.	5 February 2027
2.	26 February 2027

	Lectures	Seminars	Practicals	Total
Total number of hours	15	5	10	30
Number of hours online	12			12
Percentage	80 %			40 %