

Course: Restorative dental medicine

Course Coordinator: Prof. Alen Braut, PhD, DMD

Department: Endodontics and restorative dentistry

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

Study year: 5th

Academic year: 2025 / 2026

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.):

Restorative dental medicine is a mandatory course on the Integrated undergraduate and graduate university study Dental medicine on the third, fourth and fifth year of study. On the fifth year the course is comprised 60 hours of clinical practicals (3,5 ECTS). The course is held in the premises of the Clinical hospital centre Rijeka and the Faculty of dental medicine, University of Rijeka.

The aim of the course is to acquire basic knowledge and clinical skills in the field of restorative dentistry. The goal is to introduce the students to modern materials used for temporary and permanent cavity restoration. Special attention is given to mastering the necessary clinical skill during clinical practicals.

Course contents:

Advanced techniques in restorative dentistry. Recognition and management of dental pain.

Treatment planning in pregnant patients and patients with systemic disease. Placement of root canal posts.

Class:

Class is held in the form of practicals and. Teachers will discuss with students about specific tasks on each practical.

By completing all the tasks and passing the final exam students acquire 3,5 ECTS points.

Assigned reading:

Mount GJ, Hume WR, Ngo HC, Wolff MS. Preservation and restoration of tooth structure. 3rd edition. Wiley Blackwell. 2016.

Optional/additional reading:

Textbook of Operative Dentistry: N.Garg, A.Garg. The Health Sciences Publisher, New Delhi, London, Philadelphia, Panama; 3rd Ed. 2015.

COURSE TEACHING PLAN:

On clinical practicals in the VII and VIII semester the student conducts dental examinations, diagnostic procedures, treatment planning and treatment procedures under the supervision of clinical practicals supervisors.

P1- P15 Dental examination, dental status, treatment planning, minimally invasive procedures, treatment of caries lesions – Caries media, Caries profunda.

Learning outcomes:

Analyze the patient of informed consent

Conduct dental examination and diagnostic procedures

Educate patients about oral hygiene procedures

Planning of treatment procedures

Establish working field isolation

Cavity preparation

Identification and handling of restorative materials

Material selection depending on indications

Students' obligations:

Students are obliged to regularly attend, actively participate and complete assignments in all forms of teaching.

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

Student evaluation is carried out according to the valid Rulebook on Studies of the University of Rijeka. The students' work will be evaluated during the course and in the final exam. Students are graded using the ECTS (A-F) and numerical system (1-5). Grading in the ECTS system is carried out by absolute distribution.

During the semester and the final exam, students will be able to collect a maximum of 100 grade points (a maximum of 50 grade points during the semesters and a maximum of 50 grade points during the final exam).

During the V, VI, VII, VIII and IX semesters, a student can collect a maximum of 50 grade points (Table 1).

Table 1. Assessment of student activities on the course Restorative dental medicine

	Assessment	Max Grade Points
Colloquia	Colloquium I (end of V semester)	10
	Introductory colloquium (beginning of VII semester)	10
Seminars	Seminar presentation (VII/VIII semester)	10
Practicals	Theoretical knowledge + task completion	20
	Total	50

Assessment of practicals/colloquia/seminars**Practicals**

Practicals supervisors will evaluate theoretical knowledge and practical work on the patient (refers to clinical exercises). The average grade will be used for the final scoring. An insufficient grade (C) is considered as absence from the practical. Two insufficient grades, as well absence from 3 practicals in a single semester will result in immediate failure of the semester and the student will have to re-enroll in the semester next year. Every insufficient grade must be compensated with a colloquium held by the practical supervisor who gave the grade.

During the V semester the student must complete and have positive grades form all task in the preclinical practicals program in order to be allowed to take Colloquium I at the end of the V semester.

During clinical practicals on the VI semester the student must perform 3 positively graded tasks in order to complete the VI semester. **IMPORTANT:** Clinical work on practicals in the VI semester is performed amongst students. If for some reason, students do not want to participate in practicals as patients they must state so at the beginning of the semester and will have to provide their own patients for clinical work.

During clinical practicals in the VII, VIII and IX semester students must perform 5 positively graded tasks per semester (15 in total). In order for a completed task to receive a full grade it needs to include cavity preparation along with restoration placement as well as finishing and polishing of the placed restoration. The student can not advance to a higher semester if all tasks from the previous one have not been completed.

Students will be graded based on their theoretical knowledge and practical work as shown in Table 2.

Grade on practicals (A-C)	Grade on practicals (5-1)	Average grade on practicals (5-1)	Grade points
A	5	4,5- 5	20
A/B	4	3,5- 4,49	17
B	3	2,50- 3,49	13,5
B/C	2	2- 2,49	10
C	1	0- 1,99	0

Colloquia

On the course Restorative dental medicine students take 2 written colloquia. Colloquium I is taken at the end of the V semester and is a prerequisite to attend and perform clinical work on clinical practicals in the VI semester. The passing grade for colloquium I is 50%.

The introductory colloquium is taken at the beginning of the VII semester and is a prerequisite before commencing with clinical work on patients. The passing grade is 95%.

Students who do not pass one of the colloquia will be given one remedial colloquium on which they can receive a maximum grade of 50%. The grade points on each colloquia are determined by multiplying the percentage of correct answers in decimal form with the maximum number of grade points.

Seminars

Students must actively participate in seminars.

During the VII and VIII semester students have to give an oral presentation (PowerPoint) about a given seminar subject. Seminar subjects are essential material for the final exam.

Final Exam

Before taking the final exam the student must provide his Evidence booklet to prove all necessary tasks have been completed. The final exam is written and includes material determined by the course plan and program. A maximum of 50 grade points can be collected on the final exam. The grade points are determined by multiplying the percentage of correct answers in decimal form with the maximum number of grade points. The passing grade for the final exam is 50%.

The final grade is formed according to the total activity of the student, i.e. from the grade points collected during the semesters and the grade points on the final exam. In order to receive a final grade the final exam must be successfully completed.

Based on the total sum of points, students are evaluated as follows:

- A (5) – 90-100 grade points
- B (4) – 75-89.9 grade points
- C (3) – 60-74.9 grade points
- D (2) – 50-59.9 grade points
- F (1) – 0-49.9 grade points

The numerical evaluation system is compared with the ECTS system as follows: A - excellent (5), B - very good (4), C - good (3), D - sufficient (2), F - insufficient (1).

Other important information regarding to the course:

Retaking the course:

In case of re-enrolling the course the students have the same responsibilities as the first time attendees and are obliged to regularly attend, actively participate and complete assignments in all forms of teaching.

Consultation with teachers are possible but have to be scheduled in advanced via email.

COURSE SCHEDULE (for academic year 2024/25)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor
2.10.2025.			P1 E(8.00-11.00) P1 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
9.10.2025.			P2 E(8.00-11.00) P2 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
16.10.2025.			P3 E(8.00-11.00) P3 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
23.10.2025.			P4 E(8.00-11.00) P4 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
30.10.2025.			P5 E(8.00-11.00) P5 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
6.11.2025.			P6 E(8.00-11.00) P6 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
13.11.2025.			P7 E(8.00-11.00) P7 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
20.11.2025.			P8 E(8.00-11.00) P8 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
27.11.2025.			P9 E(8.00-11.00) P9 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
4.12.2025.			P10 E(8.00-11.00) P10 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
11.12.2025.			P11 E(8.00-11.00) P11 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
18.12.2025.			P12 E(8.00-11.00) P12 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
8.1.2026.			P13 E(8.00-11.00) P13 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD

15.1.2026.			P14 E(8.00-11.00) P14 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD
22.1.2026.			P15 E(8.00-11.00) P15 F(11.00-14.00) Krešimirova 40	Asst. Prof. Ivana Vidović Zdrilić, DMD

List of lectures, seminars and practicals:

	LECTURES (Topics)	Teaching hours	Location/Lecture room
	/	/	/
	TOTAL TEACHING HOURS	0	

	SEMINARS (Topics)	Teaching hours	Location/Lecture room
	/	/	/
	TOTAL TEACHING HOURS	0	

	PRACTICALS (Topics)	Teaching hours	Location/Lecture room
IX Semester			
P1-15	Dental examination, dental status, treatment planning, minimally invasive procedures, treatment of caries lesions – Caries media, Caries profunda.	15x4	Preclinical practicum, Krešimirova 42
	TOTAL TEACHING HOURS	60	

	Final exam terms
1.	30.1.2026.
2.	13.2.2026.
3.	3.7.2026.
4.	

Course				
Class form	Lectures	Seminars	Practicals	Total
Total number of hours	0	0	60	60
Hours online	0	0	0	0
% online class	0%	0%	0%	0%

Exam term dates stated in the table above may differ from dates, which are published in the summary exam dates table. The table is posted on the Faculty web site under the site - Study under the name "Exam terms" and contains the actual final exam terms of all courses.