



**Course:** Periodontology 2

**Course Coordinator:** Assoc. Prof. Jelena Prpić, PhD, DMD

**Course Collaborators:**

Assoc. Prof. Davor Kuiš, PhD, DMD

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**Department:** Department of Periodontology

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

**Study year:** 5<sup>th</sup>

**Academic year:** 2024./25.

## 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 course Periodontology II builds upon the content taught in Periodontology I and, together with it, constitutes a four-semester program that includes both theoretical (lectures and seminars) and practical components (preclinical and clinical exercises). The program places a strong emphasis on periodontology in the sixth year of study, particularly within the practical work of the 11th and 12th semesters.

The practical component consists of a clinical part that aims to develop knowledge for diagnosing periodontal diseases, planning periodontal treatments, mastering periodontal instrumentation, and gaining the ability to assist in surgeries. During the clinical treatment of patients, students are required to initiate, carry out, and complete causal therapy (initial hygiene instructions and causal periodontal therapy, root scaling and planing, as well as periodontal therapy with antiseptic and/or antibiotic control) and provide supportive periodontal therapy as a prerequisite for the overall program. Additionally, comprehensive knowledge of surgical periodontal procedures and the ability to assist in surgical periodontal operations are required.

The main objectives of the course are:

1. A solid understanding of periodontology and related fundamental sciences
2. A strong grasp of clinical medicine, particularly in areas related to the interactions between periodontal and systemic diseases and the periodontal treatment of medically compromised patients
3. A thorough knowledge of periodontal epidemiology and the role of periodontology in public oral health
4. A comprehensive understanding of clinical periodontology
5. Clinical competence in recognizing, diagnosing, and treating patients with mild to moderate periodontitis
6. Clinical competence in recognizing and diagnosing patients with severe periodontitis

Upon completing the Periodontology course, the student should be able to correctly perform an examination



of a patient with periodontal disease, conduct a detailed diagnostic procedure for periodontal disease, plan and execute causal treatment for periodontal disease, and plan the surgical phase of periodontal therapy. Additionally, the student should know how to integrate the patient into a system of supportive periodontal therapy and conduct periodic follow-ups for patients with periodontitis.

**Assigned reading:**

- Niklaus P. Lang, Tord Berglundh, William V. Giannobile, Mariano Sanz, Niklaus P. Lang, Tord Berglundh, William V. Giannobile, Mariano Sanz. *Lindhe's Clinical Periodontology and Implant Dentistry*, 7<sup>th</sup> edition, Oxford, Blackwell Publishing Ltd., 2021.

**Optional/additional reading:**

- Michael G. Newman, Henry H. Takei, Fermin A. Carranza. *Carranza's Clinical Periodontology*, 9<sup>th</sup> edition, Philadelphia, WB Saunders Co., 2002.
- Michael G. Newman (editor), Irina Dragan (editor), Satheesh Elangovan (editor), Archana K. Karan (editor) . *Newman and Carranza's Essentials of Clinical Periodontology* , Amsterdam, Elsevier Health Sciences, 2021.
- Herbert F. Wolf, Klaus H. Rateitschak, Edith M. Rateitschak, Thomas M. Hassell. *Periodontology. Color atlas of dental medicine*, 3<sup>rd</sup> edition, Stuttgart, Thieme Verlag, 2004
- Selected articles from the *Journal of Clinical Periodontology*

**COURSE TEACHING PLAN:**

**The list of seminars:**

Seminar topics are arranged with the students, with some being covered during clinical exercises and others during seminar sessions:

Additional Therapy

- Periodontal surgery
- Treatment of teeth with furcation involvement
- Treatment of peri-implant lesions
- Flap surgery
- Suturing
- Incisions
- Frenulectomy and frenotomy
- Fiberotomy and gingivectomy

Reconstructive Therapy

- Regenerative periodontal therapy
- Bone graft materials
- Mucogingival therapy



- Grafts
- Implant Placement
  - Timing of implant placement
  - Surgical field in periodontal and implant surgery
  - Sinus floor elevation
  - Ridge augmentation procedures
- Occlusal and Prosthetic Therapy
  - Prosthetic restorations on teeth with reduced periodontium, complications in implantology
- Orthodontics and Periodontology
  - Cooperation between periodontists and orthodontists
  - Patient referral protocol
  - Implants as anchorage in orthodontics
- Supportive Care
  - Recall
  - Therapy modifications
  - Influence of systemic diseases and conditions
- Halitosis Therapy

**The list of practicals with descriptions:**

During clinical exercises, students perform initial periodontal therapy on patients and assist in surgical procedures.

For the purpose of diagnosing periodontal diseases, students independently take a detailed medical history and measure periodontal indices during clinical examinations, as well as analyze radiological images.

After making a diagnosis, they consult with the exercise supervisors to establish a treatment plan.

Students independently talk with the patient, explain the characteristics of the disease, and present the treatment plan.

They independently provide instructions on oral hygiene, remove dental deposits, and polish tooth crowns.

Students also independently administer local anesthesia (in consultation with the exercise supervisor).

They independently perform root scaling and polishing.



### Students' obligations:

During the exercises for the course Periodontology 2, each student is required to treat at least 7 patients with periodontitis, 2 of whom must have completed initial causal therapy with a comprehensive periodontal chart (indices), documentation (photographs taken at the beginning, during, and at the end of therapy), and detailed variants of the treatment plan. These patients must not have fewer than 20 teeth. Each student must assist in at least 2 periodontal surgical procedures, with written confirmation from the operator. For the practical exam, the student must present a case of a patient with periodontitis in written form.

A student may be absent from up to 30% of classes exclusively for health reasons, which must be justified with a medical certificate. Attendance at lectures, seminars, and exercises is mandatory. Make-up for exercises is possible with prior arrangement with the instructor. If a student, for justified or unjustified reasons, misses more than 30% of the classes, they cannot continue attending the course and lose the opportunity to take the final exam. In such a case, they earn 0 ECTS credits and are graded F.

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

The final exam consists of a written, practical, and oral component.

#### ECTS Grading System:

Student assessment is conducted according to the current Regulations on Studies and Studying at the University of Rijeka. Students' work will be evaluated and graded throughout the course and in the final exam. Out of a total of 100 points, students can earn 56 points during the course and 44 points on the final exam.

From the maximum of 56 points that can be earned during the course, a student must collect a minimum of 32 points to be eligible to take the final exam. Students who collect less than 32 points will have the opportunity for one remedial midterm exam, and if they pass this midterm exam, they will be allowed to take the final exam. Students who collect between 32 and 40 points (FX grading category) have the right to take the final exam, which is then considered a remedial exam and is not graded; in this case, the final grade can only be a satisfactory 2E (50%). Students who collect 31 points or fewer (F grading category) must retake the course.

Students earn points by actively participating in the course and completing assigned tasks in the following ways:

- **Attendance** carries a maximum of 17 points.
- **Participation** in the course carries a maximum of 8 points.
- **Practical work** carries a maximum of 18 points.
- **Essay** (patient case presentation) carries a maximum of 13 points.

Students who have earned more than 32 points during the course are required to take the final exam, where they can earn a maximum of 44 points. Students who have earned between 32 and 40 points during the course (belonging to the FX category) may take the final exam, but according to the Regulations, they can only receive a grade of 2E. Students who have earned fewer than 32 points during the course are not allowed to take the final exam (they must retake the course the following year).

**Written Exam** carries 22 points according to the following breakdown:

- 50–59.9% correct answers – 11–13.6 points
- 60–74.9% correct answers – 13.8–16.4 points
- 75–89.9% correct answers – 16.6–19.2 points



- 90–100% correct answers – 19.2–22 points

**Oral Exam** consists of answering 5 questions and is scored as follows:

- 1 correct answer – 10 points
- 2 correct answers – 13 points
- 3 correct answers – 16 points
- 4 correct answers – 19 points
- 5 correct answers – 22 points

Grading in the ECTS system is performed by absolute distribution, based on the final achievement:

- A – 90–100 points
- B – 75–89.9 points
- C – 60–74.9 points
- D – 50–59.9 points
- E – 0–49.9 points

Grades in the ECTS system are translated into the numerical system as follows:

- A = excellent (5)
- B = very good (4)
- C = good (3)
- D and E = satisfactory (2)
- F and FX = unsatisfactory (1)

**Other important information regarding to the course:**

Teaching contents and all information related to the course, as well as exam dates, are available on the Faculty of Dental Medicine website and Merlin.

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Consultation time: Mondays from 14:00 to 18:00



### COURSE SCHEDULE (for the academic year 2024/2025)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor
30.9.2024.			P1 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
7.10.2024.			P2 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
14.10.2024.			P3 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
21.10.2024.			P4 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
28.10.2024.			P5 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
4.11.2024.			P6 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
11.11.2024.			P7 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
25.11.2024.			P8 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
29.11.2024		S1,2 (14-15.30) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
2.12.2024.			P9 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD



6.12.2024.		S3,4 (14-15.30) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
9.12.2024.			P10 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
13.12.2024.		S5,6 (14-15.30) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
16.12.2024.			P11 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
20.12.2024.		S7,8 (14-15.30) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
23.12.2024.			P12 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
9.01.2025.		S9,10 (14-15.30) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
13.1.2025.			P13 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
17.01.2025.		S11,12 (14-15.30) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
20.1.2025			P14 (18.30-20.00) Krešimirova 40	Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
24.01.2025.		S13,14 (14-15.30) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
28.2.2025.			P15 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P15 D2(14-16.15)	Assoc. Prof. Jelena Prpić, PhD, DMD
		S15,16 (16.15-17) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD



7.3.2025.			P16 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P16 D2(14-16.15)	Assoc. Prof. Davor Kuiš, PhD, DMD
		S16,17 (16.15-17) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
14.3.2025.			P17 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P17 D2(14-16.15)	Assoc. Prof. Jelena Prpić, PhD, DMD
		S18,19 (16.15-17) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
21.3.2025.			P18 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P18 D2(14-16.15)	Assoc. Prof. Davor Kuiš, PhD, DMD
		S20,21 (16.15-17) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
28.3.2025.			P19 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P19 D2(14-16.15)	Assoc. Prof. Jelena Prpić, PhD, DMD
		S22,23 (16.15-17) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
4.4.2025.			P20 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P20 D2(14-16.15)	Assoc. Prof. Davor Kuiš, PhD, DMD
		S24,25 (16.15-17) Online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD





11.4.2025			P21 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P21 D2(14-16.15)	Assoc. Prof. Jelena Prpić, PhD, DMD
		S26,27 (16.15-17) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD

18.4.2025			P22 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P22 D2(14-16.15)	Assoc. Prof. Davor Kuiš, PhD, DMD
		S28,29 (16.15-17) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
25.4.2025			P23 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P23 D2(14-16.15)	Assoc. Prof. Jelena Prpić, PhD, DMD
		S30 (16.15-17) online		Assoc. Prof. Davor Kuiš, PhD, DMD Assoc. Prof. Jelena Prpić, PhD, DMD
2.5.2025.			P24 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P24 D2(14-16.15)	Assoc. Prof. Davor Kuiš, PhD, DMD
9.5.2025			P25 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P25 D2(14-16.15)	Assoc. Prof. Jelena Prpić, PhD, DMD
16.5.2025			P26 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P26 D2(14-16.15)	Assoc. Prof. Davor Kuiš, PhD, DMD



23.5.2025.			P27 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P27 D2(14-16.15)	Assoc. Prof. Jelena Prpić, PhD, DMD
6.6.2025.			P28 D1(11.45-14)	Assoc. Prof. Davor Kuiš, PhD, DMD Ivana Mišković, DMD
			P28 D2(14-16.15)	Assoc. Prof. Davor Kuiš, PhD, DMD

**List of seminars and practicals:**

	<b>LECTURES (Topics)</b>	<b>Teaching hours</b>	<b>Location/Lecture room</b>
S1	Introduction to Periodontal Surgery, Planning, Indications	1	Krešimirova 40
S2	Instruments, Flaps, Suturing	1	Krešimirova 40
S3	Resective Periodontal Surgery 1	1	Krešimirova 40
S4	Resective Periodontal Surgery 2	1	Krešimirova 40
S5	Regenerative Periodontal Surgery 1	1	Krešimirova 40
S6	Regenerative Periodontal Surgery 2	1	Krešimirova 40
S7	Periodontal Plastic Surgery 1	1	Krešimirova 40
S8	Periodontal Plastic Surgery 2	1	Krešimirova 40
S9	Treatment of Teeth with Furcation Involvement	1	Krešimirova 40
S10	Antibiotics	1	Krešimirova 40
S11	Orthodontics and Periodontology	1	Krešimirova 40
S12	Supportive Periodontal Therapy	1	online
S13	Implantology	1	online



S14	Implants in Periodontally Compromised Patients	1	online
S15	Peri-implantitis	1	online
S16	Treatment of Peri-implantitis	1	online
S17	Open Topics – Seminar Papers	1	online
S18	Open Topics – Seminar Papers	1	online
S19	Open Topics – Seminar Papers	1	online
S20	Open Topics – Seminar Papers	1	online
S21	Open Topics – Seminar Papers	1	online
S22	Open Topics – Seminar Papers	1	online
S23	Open Topics – Seminar Papers	1	online
S24	Open Topics – Seminar Papers	1	online
S25	Open Topics – Seminar Papers	1	online
S26	Open Topics – Seminar Papers	1	online
S27	Open Topics – Seminar Papers	1	online
S28	Open Topics – Seminar Papers	1	online
S29	Open Topics – Seminar Papers	1	online
S30	Open Topics – Seminar Papers	1	online
<b>TOTAL TEACHING HOURS</b>		<b>30</b>	

	<b>PRACTICALS (Topics)</b>	<b>Teaching hours</b>	<b>Location/Lecture room</b>
P1-P15	Nonsurgical periodontal therapy	2	Krešimirova 40
P15-P30	Nonsurgical periodontal therapy	3	Krešimirova 40
<b>TOTAL TEACHING HOURS</b>		<b>30</b>	

	<b>FINAL EXAM DATES</b>
1.	10.06.2025.
2.	01.07.2025.
3.	02.09.2025.
4.	16.9.2025.



**Sveučilište u Rijeci**  
University of Rijeka



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	<b>Lectures</b>	<b>Seminars</b>	<b>Practicals</b>	<b>Total</b>
Total number	/	30	75	105
On-line	/	30	/	30
Percentage	/	100		29%