



**Course: Fixed prosthodontics**

**Course Coordinator: Ivone Uhač, DMD, PhD, Full Professor**

**Department: Department of Prosthodontics**

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

**Study year: 4.**

**Academic year: 2023./24.**

## **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 FIXED PROSTHETICS is a compulsory subject and consists of 30 hours of lectures, 60 hours of seminars and 165 hours of clinical exercises, 255 hours -17 ECTS. The course takes place in specialist dental prosthetics offices, in the premises of the Clinic for Dental Medicine, Krešimirova 40.

The aim of the course is to train the student for the diagnosis and treatment of damaged or lost chewing units that cannot be compensated by conservative dental-medical procedures, the prevention of harmful consequences of damage and loss of teeth, the re-establishment and maintenance of proper function and aesthetics by making replacements that are attached to the supporting teeth. The goal is to acquaint students with the basic clinical procedures for making fixed prosthetic restorations, from the simplest, partial fixed restorations, to complex fixed prosthetic rehabilitation, combined fixed and mobile restorations, and fixed restorations supported by implants. Special emphasis is placed on team, interdisciplinary cooperation with doctors of different specialties in order to provide complex cases of oral rehabilitation. The student will be trained for independent practical work on patients.

The task of the course is that through lectures, exercises and seminars, the student acquires all the knowledge and skills necessary for planning and making fixed prosthetic replacements.

**Course content:**

Anamnesis, clinical examination, fixed prosthetic diagnosis and therapy plan. Periodontological aspects of fixed prosthetic work. Preparation of teeth and mouth for fixed prosthetic therapy. Anesthesia. Teeth grinding - clinical approach, Impression procedures - clinical approach. Shape, color, aesthetics of natural and artificial teeth. Conventional and adhesive cement systems. Durability and complications during the use phase of fixed prosthetic works. Biomechanics of carrier teeth. Crowns - division, indications, contraindications. Temporary crowns, full metal, faceted, metal-ceramic, full acrylic, full ceramic, partial, modified, telescopic and cone crowns, crown on stake, inlay, onlay, overlay, aesthetic shell.



Definition and basic parts of the bridge, indications, contraindications. The body of the bridge. Bridge statics. Acrylate, immediate, temporary bridges, inlay bridges, suspension bridges, removable bridges, adhesive, metal-ceramic bridges. Planning. Rehabilitation of the stomatognathic system with fixed prosthetic restorations. Crowns and bridges in combined prosthetic works. Crowns and bridges on implants.

**Conducting classes:**

Classes are held continuously during the VII, VIII, IX, X and XI semesters in the form of lectures, seminars and exercises - 255 hours (P30 + S60 + V165). During the seminar, students actively participate in presentations, presentations and discussions related to a particular theoretical unit. During the clinical exercises, the teacher demonstrates individual clinical phases, and the student, under the supervision of the teacher, is gradually trained and becomes independent in performing practical clinical tasks on the patient. Two mandatory colloquiums will be held during the class, and at the end of the class a practical and oral exam. By completing all teaching activities and attending mandatory colloquiums and the final exam, the student acquires 17.0 ECTS points.

**Assigned reading:**

Ćatić A. et al. Clinical fixed prosthetics I: crowns. Zagreb: Medicinska naklada; 2015  
Schillingburg TH., Hobo S., Whisett L., Jacobi R. Basics of fixed prosthodontics. Quintessence Publishing Co 2008.  
Ćatović A. et al. Clinical fixed prosthetics, Zagreb: Faculty of Dentistry, University of Zagreb, 1999.  
Clinical fixed prosthetics I" - crowns - authors: Amir Ćatić, Adnan Ćatović, Marko Jakovac, Dragutin Komar, Ivan Kovačić, Ketij Mehulić, Ivone Uhač and Denis Vojvodić. Zagreb: Medicinska naklada, 2015. Uhač I. Complete crowns - basics of grinding, Authorized lecture. 2011. <https://www.medri.hr/katedre/Protetika/novosti.php>  
Uhač I. Aesthetic fixed prosthetic reconstructions - clinical and laboratory approach, Authorized lecture. 2011. <https://www.medri.hr/katedre/Protetika/novosti.php>

**Optional/additional reading:**

Mehulić K. Ceramic materials in dental prosthetics. Zagreb: School book; 2010  
Rosentiel S., Land F., Fujimoto J. Contemporary fixed prosthodontics, 4th edition. Mosby inc. Publishing 2006  
Živko-Babić J, Jerolimov V. I et al. Dental materials. Selected chapters. Zagreb: Faculty of Dentistry, 2005.  
Jerolimov V. et al. Dental materials. Zagreb: Faculty of Dentistry, University of Zagreb, 2003. Gnatologij@net.http://www.sfzg.hr.  
Kraljević K. Anatomy and physiology of occlusion, Zagreb, Globus, 1991

**COURSE TEACHING PLAN:**

**The list of lectures (with topics and descriptions):**

**1. First examination, medical history, clinical examination**

**Learning outcomes:**

**Describe the procedure for the first examination of a prosthetic patient**

**Define the clinical examination protocol of the prosthetic patient**



**Argue the need for information about the patient's general state of health**

**2. Pre-prosthetic preparation 1.**

**Learning outcomes:**

To analyze the necessity of conservative and endodontic therapy in the preparation of a prosthetic patient

To analyze the need for periodontal therapy in the preparation of a prosthetic patient

**3. Pre-prosthetic preparation 2.**

**Learning outcomes:**

To analyze the need for surgical therapy in the preparation of a prosthetic patient

To analyze the necessity of orthodontic therapy in the preparation of a prosthetic patient

**4. Crowns, types and division**

**Learning outcomes:**

Describe the specificity of each type of crown

Argue their division

**5. Full metal crown. Full acrylic crown**

**Learning outcomes:**

Analyze the specificity of the appearance of a complete metal crown

Differentiate between indications and contraindications

Argue the specificity of the preparation

Describe the method of laboratory production

Describe the method of attachment

Analyze the specificity of the appearance of a complete acrylic crown

Differentiate between indications and contraindications

Argue the specificity of the preparation

Describe the method of laboratory production

Describe the method of attachment

**6. Faceted crown**

**Learning outcomes:**

Analyze the specificity of the appearance of the faceted crown

Differentiate between indications and contraindications

Argue the specificity of the preparation

Describe the method of laboratory production

Describe the method of attachment

**7. Metal ceramic crown**

**Learning outcomes:**

To analyze the specificity of the appearance of the metal-ceramic crown

Differentiate between indications and contraindications

Argue the specificity of the preparation

Describe the method of laboratory production

Describe the method of attachment



#### **8. Partial crown**

##### **Learning outcomes:**

Analyze the specificity of the appearance of the partial crown  
Differentiate between indications and contraindications  
Argue the specificity of the preparation  
Describe the method of laboratory production  
Describe the method of attachment

#### **9. Modified crowns Crown on a stake**

##### **Learning outcomes:**

Analyze the specificity of the appearance of the modified crown  
Differentiate between indications and contraindications  
Argue the specificity of the preparation  
Describe the method of laboratory production  
Describe the method of attachment  
Analyze the specificity of the appearance of the crown on the stake  
Differentiate between indications and contraindications  
Argue the specificity of the preparation  
Describe the method of laboratory production  
Describe the method of attachment

#### **10. Telescopic and cone crowns**

##### **Learning outcomes:**

Analyze the specificity of the appearance of the telescopic and cone crown  
Differentiate between indications and contraindications  
Argue the specificity of the preparation  
Describe the method of laboratory production  
Describe the method of attachment

#### **11. Full ceramic crown**

##### **Learning outcomes:**

To analyze the specificity of the appearance of a complete ceramic crown  
Distinguish types of all-ceramic crowns  
Differentiate between indications and contraindications  
Argue the specificity of the preparation  
Describe the method of laboratory production  
Describe the method of attachment

#### **12. Color**

##### **Learning outcomes:**

Describe the phenomenon and basic characteristics of color  
Differentiate color selection techniques  
Compare the color of natural and artificial teeth  
Describe laboratory color matching techniques



### **13. Inlay**

#### **Learning outcomes:**

**Analyze the specificity of the appearance of metal and ceramic inlays**  
**Differentiate between indications and contraindications**  
**Argue the specificity of the preparation**  
**Describe the method of laboratory production**  
**Describe the method of attachment**

### **14. Onlay. Overlay**

#### **Learning outcomes:**

**Analyze the specificity of the appearance of onlays and overlays**  
**Differentiate between indications and contraindications**  
**Argue the specificity of the preparation**  
**Describe the method of laboratory production**  
**Describe the method of attachment**

### **15. Shell. Endocrone**

#### **Learning outcomes:**

**Analyze the specificity of the appearance of the shell and endocrown**  
**Differentiate between indications and contraindications**  
**Argue the specificity of the preparation**  
**Describe the method of laboratory production**  
**Describe the method of attachment**

### **16. Bridges**

#### **Learning outcomes:**

**Describe bridge constructions in fixed prosthetics**  
**Analyze the indications and contraindications for their creation**  
**Compare the types of bridges**

### **17. Choice of carrier teeth**

#### **Learning outcomes:**

**Analyze the criteria for the selection of bridge supports**  
**Describe the initial indication**  
**Describe the final indication**  
**Analyze the biological factor of the carrier teeth**

### **18. Body of the bridge**

#### **Learning outcomes:**

**Describe the shapes of the body of the bridge**  
**Analyze layout rules**  
**Compare the relationship of the body of the bridge with the alveolar ridge**

### **19. Bridge statics**

#### **Learning outcomes:**

**Argue the rules of statics in bridge planning**



**Argue the loads of individual parts of the bridge**

**20. Wing bridges. Maryland bridges**

**Learning outcomes:**

**To analyze the specificity of the appearance of the wing and Maryland bridge**

**Differentiate between indications and contraindications**

**Argue the specificity of the preparation**

**Describe the method of laboratory production**

**Describe the method of attachment**

**21. Inlay bridges**

**Learning outcomes:**

**Analyze the specificity of the appearance of inlay bridges**

**Differentiate between indications and contraindications**

**Argue the specificity of the preparation**

**Describe the method of laboratory production**

**Describe the method of attachment**

**22. All-ceramic bridges**

**Learning outcomes:**

**Analyze the specificity of the appearance of all-ceramic bridges**

**Differentiate between indications and contraindications**

**Argue the specificity of the preparation**

**Describe the method of laboratory production**

**Describe the method of attachment**

**23. Fixed prosthetic rehabilitation of the masticatory system**

**Learning outcomes:**

**Argue the specificity of planning fixed replacements in the rehabilitation of the masticatory system**

**Describe the specificity of clinical phases of work**

**Analyze the use of articulators in planning and making complex fixed prosthetic restorations**

**24. Making fixed restorations on non-parallel supports. Removable bridges**

**Learning outcomes:**

**Describe the specificity of making fixed restorations in case of non-parallelism of the supports**

**Argue the choice of an appropriate prosthetic solution**

**To analyze the specificity of the appearance of bridges to be removed**

**Distinguish between indications and contraindications, advantages and disadvantages**

**25. Combined works**

**Learning outcomes:**

**Argue the specificity of planning combined prosthetic restorations**

**Compare retention agents**

**Argue the choice of an appropriate agent in a particular clinical case**

**Describe the specificity of the clinical phases of creating a combined work**



**Describe the method of laboratory production**

**Describe the method of attachment**

**26. Crowns and bridges on implants**

**Learning outcomes:**

**Argue the specificity of planning implantoprosthodontic therapy**

**To analyze the teamwork of prosthetists and surgeons**

**Describe the specificity of the impression and manufacturing of the implant prosthetic restoration**

**Describe the method of attachment**

**27. Bridge planning I**

**Learning outcomes:**

**Analyze an individual clinical case and propose a therapy plan**

**28. Bridge planning II**

**Learning outcomes:**

**Analyze an individual clinical case and propose a therapy plan**

**29. Durability, complications of fixed prosthesis, control examinations and maintenance of hygiene**

**Learning outcomes:**

**To analyze the elements that affect the durability of a fixed prosthesis**

**Describe possible complications in the useful phase**

**Analyze the frequency and characteristics of control inspections**

**Argue the specificity of maintenance and hygiene procedures in patients with fixed prosthetics**

**30. CAD-CAM technology in the production of fixed prosthetic restorations**

**Learning outcomes:**

**Describe the computer technology of fixed prosthetic works**

**Argument the optical impression**

**Analyze the settings of machine fabrication of restorations**

**The list of seminars with descriptions:**

**1. Conservative preprosthetic preparation**

**Learning outcomes:**

**Describe the need for all conservative procedures performed in the pre-preparatory phase of making a fixed prosthesis**

**2. Periodontal preprosthetic preparation**

**Learning outcomes:**

**Describe the need for all periodontal procedures performed in the pre-preparatory phase of making a fixed prosthesis**

**3. Periodontal prophylaxis in the manufacture of a fixed prosthetic replacement**

**Learning outcomes:**



**Understand the appearance and relationships of hard and soft tissues in the area of the neck of the tooth**

**Describe the possible interaction of fixed prosthetic work and marginal periodontal tissue**

**Describe the rules of grinding and technical production to respect the health of the surrounding tissues**

#### **4. Surgical preprosthetic preparation**

**Learning outcomes:**

**Describe the need for all surgical procedures performed in the pre-preparatory phase of making a fixed prosthesis**

#### **5. Orthodontic preprosthetic preparation**

**Learning outcomes:**

**Describe the need for all orthodontic procedures performed in the pre-preparatory phase of making a fixed prosthesis**

#### **6. Protocol for making a complete metal crown**

**Learning outcomes:**

**Analyze all phases of clinical and laboratory fabrication of a complete metal crown**

#### **7. Protocol for making a faceted crown**

**Learning outcomes:**

**Analyze all phases of clinical and laboratory fabrication of faceted crowns**

#### **8. Protocol for making metal-ceramic crown**

**Learning outcomes:**

**Analyze all phases of clinical and laboratory production of metal-ceramic crowns**

#### **9. All-ceramic systems**

**Learning outcomes:**

**Distinguish types of all-ceramic restorations**

**Describe the properties and application**

#### **10. Protocol for making an all-ceramic restoration 1.**

**Learning outcomes:**

**Analyze all phases of clinical and laboratory production of a complete ceramic crown**

**Analyze all phases of clinical and laboratory production of inlays, onlays and overlays**

#### **11. Protocol for making an all-ceramic restoration 2.**

**Learning outcomes:**

**Analyze all phases of clinical and laboratory fabrication of the shell and endocrown**

#### **12. Telescopic systems**

**Learning outcomes:**

**Analyze all phases of clinical and laboratory production of telescopic systems**





**13. Minimally invasive all-ceramic restorations**

**Learning outcomes:**

Analyze all phases of clinical and laboratory fabrication of minimally invasive all-ceramic restorations

**14. Complications of making and using a fixed prosthesis**

**Learning outcomes:**

To analyze the possible complications of making and using a fixed prosthetic prosthesis

**15. Aesthetics of natural and artificial teeth**

**Learning outcomes:**

Describe the parameters that determine the naturalness of individual teeth and the smile as a whole

Apply aesthetic parameters in the production of a fixed prosthetic prosthesis

**16. Selection and combination of colors in the production of a fixed prosthesis**

**Learning outcomes:**

Describe the parameters of the optical properties of natural teeth

To analyze the techniques of achieving individual colors in fixed prosthetics

**17. Bridges, indications, contraindications, division, parts**

**Learning outcomes:**

Analyze the construction of bridges

Compare indications and contraindications for their planning

**18. Therapy planning and diagnostic approach in fixed prosthetics**

**Learning outcomes:**

Distinguish the key elements on which the planning of the bridge structure depends

Analyze the characteristics of the carrier teeth

Determine the possibility and necessity of including teeth in the prosthetic construction

**19. Evaluation of the bridge structure support teeth**

**Learning outcomes:**

Analyze the morphological characteristics of the carrier teeth

Analyze the properties of the supporting tissues of the teeth

**20. Planning fixed-prosthetic compensation for the production of an individual tooth**

**Learning outcomes:**

Argue the choice of a particular therapeutic option in the case of reconstruction of a single tooth

**21. Bridge planning 1**

**Learning outcomes:**

Argument the choice of a particular therapeutic option in the planning of smaller bridge constructions



**22. Bridge planning 2**

**Learning outcomes:**

**Argument the choice of a particular therapeutic option in the planning of larger bridge constructions**

**23. Body of the bridge**

**Learning outcomes:**

**To compare and choose a specific form of the body of the bridge in a specific clinical case**

**24. Bridge statics**

**Learning outcomes:**

**Analyze different bridge structures and compare static loads**

**25. Acrylic, immediate and temporary bridges**

**Learning outcomes:**

**Analyze the appearance, therapeutic application and laboratory fabrication of immediate and temporary bridges**

**Describe direct manufacturing in the oral cavity**

**26. Inlay bridges. Suspension bridges**

**Learning outcomes:**

**Analyze the appearance, therapeutic application and laboratory production of inlays and suspension bridges**

**27. Maryland bridges**

**Learning outcomes:**

**To analyze the appearance, therapeutic application and laboratory fabrication of Maryland bridges**

**28. Metal-ceramic bridges**

**Learning outcomes:**

**Analyze the appearance, therapeutic application and laboratory fabrication of metal-ceramic bridges**

**29. All-ceramic bridges**

**Learning outcomes:**

**To analyze the appearance, therapeutic application and laboratory production of all-ceramic bridges**

**30. Crowns and bridges in combined fixed prosthetic restorations**

**Learning outcomes:**

**Analyze the appearance, therapeutic application and laboratory production of combined works**

**The list of practicals with descriptions:**



Exercises from the subject Fixed prosthodontics are performed at the Clinic for Dental Medicine KBC Rijeka, in specialist offices for dental prosthodontics. The exercises are organized in small groups (4 students to one leader). Students will get to know the workplace, equipment and instruments in the prosthetic surgery. He will gradually start working on patients. Before accessing the exercises, students are required to acquire theoretical knowledge that they will perform practically. During the exercises, they will gradually acquire skills for independent work. Students will conduct an anamnesis, clinical examination, with the help of the supervisor they will set up a therapy plan, administer local anesthesia, grind teeth, take impressions of ground teeth and create temporary restorations. They will prepare teeth for extensions, use direct and indirect impression techniques. They will try on the finished works, and will attach them temporarily and permanently. At the end of the fourth year, students will work independently under the supervision of the supervisor.

#### **Students' obligations:**

Students must regularly attend and actively participate in all forms of teaching.

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

ECTS credit rating system:

Student evaluation is carried out according to the valid Rulebook on studies of the University of Rijeka. The students' work will be evaluated and evaluated during the course and in the final exam. Out of a total of 100 points, a student can get 70 points during classes, and 30 points 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.

Of the maximum 70 grade points that can be obtained during classes, the student must collect a minimum of 40 grade points in order to take the final exam. Students who collect less than 40 evaluation points will have the opportunity to take one remedial mid-term exam and, if they pass the mid-term exam, they will be able to take the final exam. Students who collect 39.9 or less grade points (F grade category) must re-enroll in the course.

To the final exam, the student is obliged to bring a completed control sheet from the clinical exercises.

The student acquires grade points by actively participating in classes and completing assigned tasks in the following way:

I. During the class, the following are evaluated (maximum 70 points):

Table 1: Evaluation of obligations of Dental Medicine students for the Fixed Prosthetics course

#### **VALUATION Max. number of evaluation points**

##### **Colloquiums**

**I. colloquium - at the end of the VIII semester, 20**

**II. colloquium – at the end of X semester 20**



**40 in total**

**Exercises Continuous verification of theoretical and practical knowledge. The average grade is taken in the following way:**

**grade 2=5 points**

**grade 3=10 points**

**grade 4=15 points**

**grade 5=20 points 20**

**Seminar work**

**Written form (PP presentation) and oral presentation (during X semester) 10**

**TOTAL 70**

**Evaluation of the colloquium with 20 evaluation points**

**Colloquium 40 questions = 20 points**

A student must have **50%** correct answers to pass. Each further answer is multiplied by a coefficient of 0.5 and the number of points on the colloquium is obtained (20/40). If the student does not pass the colloquium on the 1st deadline, another deadline will be organized for him.

Final exam (30 marks in total)

Who can take the final exam:

Students who successfully passed I. and II. colloquium and which were positively evaluated on student exercises. Students who have obtained more than 40 points during the course must take the final exam, where they can obtain a maximum of 30 points.

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Who cannot take the final exam:

Students who did not successfully pass I. and II. colloquium and which were not positively evaluated on student exercises. Students who obtained less than 40 points during the course do not have the right to sit for the final exam.

The final exam is practical, written and oral. It carries 30 evaluation points.

Evaluation of the final exam with 30 marks

5 points - practical part of the exam

5 points - written part of the exam

20 points - oral part of the exam

For a positive evaluation of the final exam, all three parts must be successfully passed. In order for a student to be evaluated with a final grade, he must successfully pass the final exam. If he does not pass the final exam, he will receive a negative grade overall. The student has the right to take the next exam period.

**Formation of the final grade:**

**The grades achieved during the VII, VIII, IX, X and XI semesters are joined by the points achieved in the final exam. Based on the total sum of points, students are evaluated as follows:**



**A (5) – 90-100 grade points**  
**B (4) – 75-89.99 grade points**  
**C (3) – 60-74.99 grade points**  
**D (2) – 50-59.99 grade points**  
**F (1) – 0-49.99 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:**

### **COURSE SCHEDULE (for the academic year 2023/2024)**

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor
03.10.2023.			17.30-19.00 V1 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
04.10.2023	13.45-14.30 P1			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
06.10.2023.		12.45-13.30 S1		Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
10.10.2023.			17.30-19.00 V2 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
11.10.2023.	13.45-14.30 P2			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
13.10.2023.		12.45-13.30 S2		Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
17.10.2023.			17.30-19.00 V3 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
18.10.2023.	13.45-14.30 P3			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
20.10.2023.		12.45-13.30 S3		Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
24.10.2023.			17.30-19.00	Prof.prim.dr.sc. Daniela Kovačević



			V4 Grup D	Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
25.10.2023.	13.45-14.30 P4			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
27.10.2023.		12.45-13.30 S4		Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
31.10.2023.			17.30-19.00 V5 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
03.10.2023.		12.45-13.30 S5		Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
07.10.2023.			17.30-19.00 V6 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
08.11.2023.	13.45-14.30 P6			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
10.11.2023.		12.45-13.30 S6		Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
13.11.2023.			17.30-19.00 V7 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
15.11.2023.	13.45-14.30 P7			Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
17.11.2023.		12.45-13.30 S7		Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
21.10.2023.			17.30-19.00 V8 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
22.11.2023.	13.45-14.30 P8			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
24.11.2023.		12.45-13.30 S8		Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
28.11.2023.			17.30-19.00 V9 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
29.11.2023.	13.45-14.30 P9			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
01.12.2023.		12.45-13.30		Prof.prim.dr.sc. Ivone Uhač,



		S9		dr.med.dent.
05.12.2023.			17.30-19.00 V10 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
06.12.2023.	13.45-14.30 P10			Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
08.12.2023.		12.45-13.30 S10		Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
11.12.2023.			17.30-19.00 V11 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
13.12.2023.	13.45-14.30 P11			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
15.12.2023.		12.45-13.30 S11		Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
19.12.2023.			17.30-19.00 V12 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
20.12.2023.	13.45-14.30 P12			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
22.12.2023.		12.45-13.30 S12		Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
09.01.2024.			17.30-19.00 V13 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
10.01.2024.	13.45-14.30 P13			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
12.01.2024.		12.45-13.30 S13		Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
16.01.2024.			17.30-19.00 V14 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
17.01.2024.	13.45-14.30 P14			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
19.01.2024.		12.45-13.30 S14		Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
23.01.2024.			17.30-19.00 V15 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak,



				dr.med.dent.
24.01.2024.	13.45-14.30 P15			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
26.01.2024.		12.45-13.30 S15		Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
27.02.2024.	13.15-14.00 P16			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
28.02.2024.			12.30-14.00 V16 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
01.03.2024.		15.00-15.45 S16 K40		Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
05.03.2024.	13.15-14.00 P17			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
06.03.2024.			12.30-14.00 V17 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
08.03.2024.		15.00-15.45 S17 K40		Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
12.03.2024.	13.15-14.00 P18			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
13.03.2024.			12.30-14.00 V18 Grup D	Prof.prim.dr.sc. Daniela Kovačević Pavičić, dr.med.dent. Prof.dr.sc. Vlatka Debeljak, dr.med.dent.
15.03.2024.		15.00-15.45 S18 K40		Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
19.03.2024.	13.15-14.00 P19			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
20.03.2024.			12.30-14.00 V19 Grup D	Prof.prim.dr.sc. Ivone Uhač, dr.med.dent. Davor Vučinić, univ. mag. dr. med. dent.
22.03.2024.		15.00-15.45 S19 K40		Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
26.03.2024.	13.15-14.00 P20			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
27.03.2024.			12.30-14.00	Prof.prim.dr.sc. Ivone Uhač,





			V20 Grup D	dr.med.dent. Davor Vučinić, univ. mag. dr. med. dent.
29.03.2024.		15.00-15.45 S20 K40		Izv.prof.prim.dr.sc. Sunčana Simonić-Kocijan, dr.med.dent.
02.04.2024.	13.15-14.00 P21			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
03.04.2024.			12.30-14.00 V21 Grup D	Prof.prim.dr.sc. Ivone Uhač, dr.med.dent. Davor Vučinić, univ. mag. dr. med. dent.
05.04.2024.		15.00-15.45 21 K40		Doc.dr.sc.Petra Tariba Knežević, dr.med.dent.
09.04.2024.	13.15-14.00 P22			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
10.04.2024.			12.30-14.00 V22 Grup D	Prof.prim.dr.sc. Ivone Uhač, dr.med.dent. Davor Vučinić, univ. mag. dr. med. dent.
12.04.2024.		15.00-15.45 S22 K40		Doc.dr.sc.Petra Tariba Knežević, dr.med.dent.
16.04.2024.	13.15-14.00 P23			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
17.04.2024.			12.30-14.00 V23 Grup D	Prof.prim.dr.sc. Ivone Uhač, dr.med.dent. Davor Vučinić, univ. mag. dr. med. dent.
19.04.2024.		15.00-15.45 S23 K40		Doc.dr.sc.Petra Tariba Knežević, dr.med.dent.
23.04.2024.	13.15-14.00 P24			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
24.04.2024.			12.30-14.00 V24 Grup D	Prof.prim.dr.sc. Ivone Uhač, dr.med.dent. Davor Vučinić, univ. mag. dr. med. dent.
26.04.2024		15.00-15.45 S24 K40		Doc.dr.sc.Petra Tariba Knežević, dr.med.dent.
30.04.2024.	13.15-14.00 P25			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.



03.05.2024.		15.00-15.45 S25 K40		Doc.dr.sc.Petra Tariba Knežević, dr.med.dent.
07.05.2024.	13.15-14.00 P26			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
08.05.2024.			12.30-14.00 V26 Grup D	Prof.prim.dr.sc. Ivone Uhač, dr.med.dent. Davor Vučinić, univ. mag. dr. med. dent.
10.05.2024.		15.00-15.45 S26 K40		Doc.dr.sc.Petra Tariba Knežević, dr.med.dent.
14.05.2024.	13.15-14.00 P27			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
15.05.2024.			12.30-14.00 V27 Grup D	Prof.prim.dr.sc. Ivone Uhač, dr.med.dent. Davor Vučinić, univ. mag. dr. med. dent.
17.05.2024.		15.00-15.45 S27 K40		Doc.dr.sc.Petra Tariba Knežević, dr.med.dent.
21.05.2024.	13.15-14.00 P28			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
22.05.2024.			12.30-14.00 V28 Grup D	Prof.prim.dr.sc. Ivone Uhač, dr.med.dent. Davor Vučinić, univ. mag. dr. med. dent.
24.05.2024.		15.00-15.45 S28 K40		Doc.dr.sc.Petra Tariba Knežević, dr.med.dent.
28.05.2024.	13.15-14.00 P29			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
29.05.2024.			12.30-14.00 V29 Grup D	Prof.prim.dr.sc. Ivone Uhač, dr.med.dent. Davor Vučinić, univ. mag. dr. med. dent.
31.05.2024.		15.00-15.45 S29 K40		Doc.dr.sc.Petra Tariba Knežević, dr.med.dent.
04.06.2024.	13.15-14.00 P30			Prof.prim.dr.sc. Ivone Uhač, dr.med.dent.
05.06.2024.			12.30-14.00 V30 Grup D	Prof.prim.dr.sc. Ivone Uhač, dr.med.dent. Davor Vučinić, univ. mag. dr. med.



				dent.
07.06.2024.		15.00-15.45 S30 K40		Doc.dr.sc.Petra Tariba Knežević, dr.med.dent.

**List of lectures, seminars and practicals:**

	<b>LECTURES (Topics)</b>	<b>Teaching hours</b>	<b>Location/Lecture room</b>
P1	First examination, medical history, clinical examination	1	Krešimirova 40
P2	Pre-prosthetic preparation 1.	1	Krešimirova 40
P3	Pre-prosthetic preparation 2.	1	Krešimirova 40
P4	Crowns, types and division	1	Krešimirova 40
P5	Full metal crown. Full acrylic crown	1	Krešimirova 40
P6	Faceted crown	1	Online
P7	Metal ceramic crown	1	Online
P8	Partial crown	1	Online
P9	Modified crowns Crown on stake	1	Online
P10	Telescopic and cone crowns	1	Online
P11	Full ceramic crown	1	Online
P12	Color	1	Online
P13	Inlay	1	Online
P14	Onlay. Overlay	1	Online
P15	Shell. Endocrone	1	Online
P16	Bridges	1	Online
P17	Choice of carrier teeth	1	Online
P18	The body of the bridge	1	Online
P19	Bridge statics	1	Online
P20	Wing bridges. Maryland bridges	1	Online
P21	Inlay bridges	1	Online
P22	All-ceramic bridges	1	Online
P23	Fixed prosthetic rehabilitation of the masticatory system	1	Online
P24	Fabrication of fixed restorations on non-parallel supports. Removable bridges	1	Online
P25	Combined works	1	Online
P26	Crowns and bridges on implants	1	Online
P27	Bridge planning I	1	Online
P28	Bridge planning II	1	Online



P29	Durability, complications of fixed prosthesis, control examinations and maintenance of hygiene	1	Online
P30	Cad-cam technology in fixed prosthetics	1	Online
<b>TOTAL TEACHING HOURS</b>		<b>30</b>	

	<b>SEMINARS (Topics)</b>	<b>Teaching hours</b>	<b>Location/Lecture room</b>
S1	Conservative preprosthetic preparation	1	Krešimirova 40
S2	Periodontal preprosthetic preparation	1	Krešimirova 40
S3	Periodontal prophylaxis in the manufacture of fixed prosthetic restorations	1	Krešimirova 40
S4	Surgical preprosthetic preparation	1	Krešimirova 40
S5	Orthodontic preprosthetic preparation	1	Krešimirova 40
S6	Protocol for making a complete metal crown	1	Online
S7	Protocol for making a faceted crown	1	Online
S8	Protocol for making a metal-ceramic crown	1	Online
S9	All-ceramic systems	1	Online
S10	Protocol for making an all-ceramic restoration 1.	1	Online
S11	Protocol for making an all-ceramic restoration 2.	1	Online
S12	Telescopic systems	1	Online
S13	Minimally invasive all-ceramic restorations	1	Online
S14	Complications of making and using a fixed prosthesis	1	Online
S15	Aesthetics of natural and artificial teeth, color	1	Online
S16	Selection and combination of colors in the production of fixed prosthetics	1	Online
S17	Bridges, indications, contraindications, division, parts	1	Online
S18	Therapy planning and diagnostic approach	1	Online
S19	Assessment of supporting teeth of bridge structures	1	Online
S20	Planning fixed-prosthetic compensation for the production of an individual tooth	1	Online
S21	Bridge planning 1	1	Online
S22	Bridge planning 2	1	Online
S23	The body of the bridge	1	Online
S24	Bridge statics	1	Online
S25	Acrylic, immediate and temporary bridges	1	Online



S26	Inlay bridges, suspension bridges	1	Online
S27	Maryland bridges	1	Online
S28	Metal-ceramic bridges	1	Online
S29	All-ceramic bridges	1	Online
	<b>TOTAL TEACHING HOURS</b>	<b>29</b>	

	<b>PRACTICALS (Topics)</b>	<b>Teaching hours</b>	<b>Location/Lecture room</b>
V1	Clinical work on models and patients	2	Krešimirova 40
V2	Clinical work on models and patients	2	Krešimirova 40
V3	Clinical work on models and patients	2	Krešimirova 40
V4	Clinical work on models and patients	2	Krešimirova 40
V5	Clinical work on models and patients	2	Krešimirova 40
V6	Clinical work on models and patients	2	Krešimirova 40
V7	Clinical work on models and patients	2	Krešimirova 40
V8	Clinical work on models and patients	2	Krešimirova 40
V9	Clinical work on models and patients	2	Krešimirova 40
V10	Clinical work on models and patients	2	Krešimirova 40
V11	Clinical work on models and patients	2	Krešimirova 40
V12	Clinical work on models and patients	2	Krešimirova 40
V13	Clinical work on models and patients	2	Krešimirova 40
V14	Clinical work on models and patients	2	Krešimirova 40
V15	Clinical work on models and patients	2	Krešimirova 40
V16	Clinical work on models and patients	2	Krešimirova 40
V17	Clinical work on models and patients	2	Krešimirova 40
V18	Clinical work on models and patients	2	Krešimirova 40
V19	Clinical work on models and patients	2	Krešimirova 40
V20	Clinical work on models and patients	2	Krešimirova 40
V21	Clinical work on models and patients	2	Krešimirova 40
V22	Clinical work on models and patients	2	Krešimirova 40
V23	Clinical work on models and patients	2	Krešimirova 40
V24	Clinical work on models and patients	2	Krešimirova 40
V25	Clinical work on models and patients	2	Krešimirova 40
V26	Clinical work on models and patients	2	Krešimirova 40
V27	Clinical work on models and patients	2	Krešimirova 40
V28	Clinical work on models and patients	2	Krešimirova 40
V29	Clinical work on models and patients	2	Krešimirova 40



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V30	Clinical work on models and patients	2	Krešimirova 40
	<b>TOTAL TEACHING HOURS</b>	<b>60</b>	