

Course: Preclinical removable prosthodontics Course Coordinator: Vlatka Debeljak, DMD, PhD, Full Professor Department: Department of Prosthodontics Study program: Integrated Undergraduate and Graduate University Study of Dental Medicine in English Study year: 3rd Academic year: 2022./2023.

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 Preclinical Removable Prosthodontics course is a mandatory course at the 3rd year of the Integrated Undergraduate and Graduate University Study of Dental Medicine, and consists of 30 academic hours of lectures, 15 academic hours of seminars and workshops, and 60 academic hours of preclinical exercises. The course is held in the premises of the pre-clinical training room at Krešimirova 42.

Course instructor is Vlatka Debeljak, DMD, PhD, Full Professor and associate is Davor Vučinić, DMD.

Preclinical Removable Prosthodontics course explains and teaches students about basic biomedical and technological knowledge and skills about clinical and laboratory dental work in the conventional therapy with partial and completely edentulous patients. Students, also, need to learn knowledge and skills of removable prosthodontics clinical and laboratory work, with emphasis on successful integration of that clinical and laboratory work. During the course tudents need to be prepared to perform clinical procedures on the real patients. Gaining knowledge and skills of this course, students perceive the complexity of prosthetic therapy that depends largely on the success of the clinical phase of the work, but also on the successfully completed laboratory phases. The Preclinical Removable Prosthodontics course is conducted continuously during the 6th semester in the form of lectures, seminars and exercises - 105 academic hours (L30 + S15 + P60). During the seminar, students actively participate in presentations and discussions related to a particular theoretical unit. During preclinical exercises, the teacher demonstrates and supervises the students in performing practical tasks. Two mandatory colloquia will be held during the class, and a written test will be held at the end of the class. By completing all teaching activities and attending mandatory colloquiums and the final exam, the student acquires 6.5 ECTS points.

Course content:

Introduction to the course, definition, purpose and scope of the profession (acquaintance with the area of work of removable prosthodontics, prosthodontics' office and laboratory of dental medicine), Clinic workplace, equipment and instruments in a prosthodontics' office. Ledge of the upper and lower complete dentures; anatomical (preliminary) impression, trays and impression materials. Construction and analysis of an anatomical models. Types of stones, borders and

fabrication of the custom tray. Factors of the retention and stabilization of the complete dentures; custom tray, functional impression of the upper and lower jaws. Pouring of the functional model after functional impression. Bite rims- materials and fabrication. Vertical and horizontal relation of the upper and the lower jaw. Types of articulators, mounting of casts at ocludator, non-adjustable articulator, semiadjustable articulator, quick mount face bow, kinematic facebow-what is his purpose, what is the difference to quick mount facebow. Clinical procedure during bite recording at edentulous jaws; Occlusal plane. Setup of the teeth; basic rules; selection of the front teeth- shape, color, height, width,

material, preparation of casts for teeth setup. Occlusion- difference between natural teeth and complete dentures, appearance of artificial and natural teeth (dimensions, cusps, choice of posterior teeth, materials for artificial teeth). Marking of casts and setup of posterior teeth; setup by Gysi, lingualised setup, balanced

occlusion. Completion of waxing, investing, packing, pressing, polymerization, materials for processing, procedures of processing. Complications during dentures wearing, inflammation of mucosa by Newton, residual ridge resorption, relining, laboratory relining. Final lecture, reparation of denture fractures, indications for complete denture with metal base. Classification of partial edentoulism. Elements of removable partial denture and partial denture base. Elements of retention: clasps, types of clasps (material)- wire and cast clasp.Elements for retention: types of attachments, bar clasp, telescopic crowns. Elements for transfer and allocation of loading, types of occlusal rests, thickness, types of preparation for occlusal rests. Elements for stabilization of partial dentures, axis of rotation and stabilization. Parallelizing, dental parallelometer. Planning of partial denture and phases of work for different Kennedy classes- most frequent solutions and types of planning, relationship of jaws, centric relation and centric occlusion. Clinical and laboratory procedures for fabrication of partial denture with metal base. Fabrication of metal base-phases, materials, sandblasting, try in of base-further clinical procedures. Bite recording and teeth setup at partial dentures-teeth setup at laboratory, fabrication of wire clasps. Procedures of processing of partial dentures, laboratory performance. Handover of denture to patient, activation of clasps, corrections, instructions. Fabrication of partial denture with attachmentsclinical and laboratory phases.Cover dentures, removable dentures on implants, telescopic system

Correlativity and correspondence:

The Preclinical Removable Prosthodontics course follows the Materials in Dental Medicine course, and it is necessary to take the Materials in Dental Medicine course first.

Approach to learning and teaching in the subject:

During the lectures, the student should follow all clinical and laboratory phases of making fixed prosthodontic restorations. At the seminars, concepts related to the production of removable prosthodontic restorations should be gradually adopted. This will ultimately lead to the integration of theoretical knowledge and practical skills that will be acquired during preclinical practicals, and train the student to work on the clinical course Mobile Prosthodontics. During the practicals, students should learn basic clinical and laboratory techniques and methods related to the production of all types of removable prosthodontic restorations.

Attending classes

Attendance at all forms of teaching is mandatory. A student may be excused for missing a total of 30% of classes. Classes are held at the prescribed time and it is not possible to enter after the

teacher has entered. It is not allowed to bring food and drinks to the class and unnecessary entering/leaving the class. It is forbidden to use mobile phones during class as well as during tests. Absences from seminars and practicals must be made up in agreement with the group teacher.

Seminar paper

Seminar paper must be created using a computer (with spelling and grammar checked) and submitted first in electronic form. Only after an agreement with the assistant - group teacher will the paper be printed and/or presented publicly. Copies of other people's papers are not allowed, but the use of certain parts is allowed with proper citing the source.

Academic integrity

Respect for the principle of academic integrity is expected from both teachers and students in accordance with the Code of Ethics of the University of Rijeka (http://www.uniri.hr/hr/propisi_i_dokumenti/eticki_kodeks_svri.htm).

Contacting teachers

Contact with teachers is made in the time provided for it (consultations). Students will receive all information related to the course in the introductory lecture and will be able to find it on the bulletin board and on the website of the Department of Dental Prosthetics.

Assigned reading:

Filed J, Storey C. Removable Prosthodontics at a glance. Wiley-Blackwell. 2020.

Optional/additional reading:

Carr AB, McGivney GP, Brown DT. McCracken's Removable Partial Prosthodontics 11th ed., Elsevier Mosby, 2006.

COURSE TEACHING PLAN:

The list of lectures (with topics and descriptions):

 Introduction to the course, definition, purpose and scope of the profession Expected learning outcomes: Analyze the objectives of the course Preclinical removable prosthodontics. Describe the scope of the profession of dental prosthodontics. 2. Complete denture overview. Ledge of the upper and lower complete dentures Expected learning outcomes: Explain the procedures for the laboratory production of partial and complete dentures. Analyze and adopt the anatomical structures of the denture base 3. Preliminary Edentulous Impressions, custom trays and impression materials. Expected learning outcomes: Describe the choice of impression materials and impression techniques. Differentiate the choice of technique, possible complications and procedures for preventing them. 4. Analyse of diagnostic casts. Expected learning outcomes: Describe and explain the creation and application of models in mobile prosthetics. Differentiate and describe types of stones, borders and fabrication of the custom tray.

- Final Impressions for Complete Dentures
 Expected learning outcomes:
 Describe the purpose and application of an individual tray, the choice of material for making it and methods of taking an impression.
- Boxing and Pouring Final Impression
 <u>Expected learning outcomes:</u>

 Define the specifics of the definitive model. Analyze the structures on the working model.
- 7. Recording Maxillo-mandibular Relationships Expected learning outcomes:

Describe the specifics and changes in relationships after tooth loss. Analyze the relationship between occlusion and temporomandibular joints.

8. Clinical procedure during bite recording at edentulous jaws; Occlusal plane. Expected learning outcomes:

Describe the methods of determining interjaw relationships, advantages and disadvantages

9. Articulators-distribution, face-bow transfer, choice of articulators. Transferring working models to the articulator.

Expected learning outcomes: Describe and justify the use of dental articulator in mobile prosthodontics.

10. Selecting and Setting Denture Teeth (selecting anterior teeth).

Expected learning outcomes:

Analyze the jaws and faces in relation to the shape, color and position of the teeth. Describe types of artificial teeth and their characteristics.

11. Selecting Posterior Teeth Form (statics).

Expected learning outcomes:

Describe the rules of static prostheses and their application in the setting of lateral teeth.

12. Philosophies of Denture Occlusion

Expected learning outcomes: Describe the concepts of occlusion and their relationship with the morphology of artificial teeth.

13. Molding of the base of complete prostheses in wax, investment in a cuvette and possibilities of polymerization. Polymerization and definitive treatment of complete dentures <u>Expected learning outcomes:</u>

Describe the polymerization methods of complete dentures and the cuvette procedure.

14. Reparation of denture fractures; Residual ridge resorption, relining, laboratory relining. <u>Expected learning outcomes:</u>

Describe the causes and methods of repairing complete dentures. List the types of procedures for relining complete dentures and the materials with which they are used.

15. Final lecture, indications for complete denture with metal base.

Expected learning outcomes:

Describe the process of making a complete prosthesis. Define the indications for making a complete prosthesis with a metal base.

16.	Classification of partial edentoulism: Kennedy, Eichner, functional classification with
	respect to the load (dental, mucosal), specific loading.
	Expected learning outcomes:
	Connect with the design of the prosthesis
	connect with the design of the prostnesis.
17	Proparation of the mouth and teeth for partial dentures
17.	Expected learning outcomes:
	Describe all the procedures that precede the beginning of the creation of partial dentures.
18.	Impression procedures of partially edentulous jaws.
	Expected learning outcomes:
	Describe and interpret the choice of materials and techniques for the impression of partially
	edentulous jaws. Define the choice of technique, possible complications and procedures for
	preventing them.
19.	Partial denture base – choice of shape and material.
	Expected learning outcomes:
	Describe the possibilities of creating a partial prosthesis in relation to the topography of the
	jaw.
20	Elements for retention of partial dentures - clasps
20.	Expected learning outcomes:
	Describe the types of clasps and their use
	Describe the types of clasps and their use.
21.	Elements for retention of partial dentures – attachments, crossbar, telescopic systems
	Expected learning outcomes:
	Describe different means of retention and stabilization and analyze their advantages and
	disadvantages.
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22.	Elements for stabilisation of partial dentures – occlusal rest seat.
	Expected learning outcomes:
	Describe the role of occlusal rest seat.
23.	Milling
	Expected learning outcomes:
	Describe the purpose of milling, milling devices, methods of milling and the relationship
	with the planned design of the prosthesis.
24	Disputing of portiol doptions
24.	Planning of partial denture
	Expected learning outcomes:
	offective planning
25	Stabilisation of partial dentures
25.	Expected learning outcomes:
	Describe the stabilization of the prosthesis and analyze the types of means for stabilization
1	besche the stabilization of the prostnesis and analyze the types of means for stabilization.

26.	. Planning of partial denture and phases of work for different Kennedy classes- most
	frequent solutions and types of planning, relationship of jaws, centric relation and centric
	occlusion, most frequent solutions depending on Eichner classification.
	Expected learning outcomes:
	Analyze different topographical situations in the upper and lower jaw and the possibilities of
	their prosthetic management.
27.	. Fabrication of metal base-phases, materials, sandblasting, try in of base-further clinical
	procedures.
	Expected learning outcomes:
	Explain the procedure of making a metal base-phases.
28.	. Factors of occlusion and tooth set in partial dentures.
	Expected learning outcomes:
	Analyze the specifics of occlusion and articulation in partial edentulism.
29.	. Technical processing and delivery of finished complete denure
	Expected learning outcomes:
	Describe the types of abrasives for the final processing of dentures and their application.
	Describe the procedures when handing over the prosthesis to the patient.
30.	. Reparature and relining of partial dentures
	Expected learning outcomes:
	Describe the reasons that lead to the need for partial denture repair. Explain the procedures
	of relining of the partial dentures.
	of relining of the partial dentures.

The list of seminars with descriptions:

1.	Ledge of the upper and lower complete dentures.
	Expected learning outcomes:
	Explain what soft tissues and what hard tissue are ledge of the upper and lower
	complete dentures.
2.	Impressions and materials in removable prosthodontics.
	Expected learning outcomes:
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AII	aryze now to make an anatomical (preliminary) impression.
De	scribe how to make a functional impression.
Ex	plain stock tray selection and various impression materials.
3.	Factors of the retention and stabilization of the complete dentures
•••	Expected learning outcomes:
	Expected learning outcomes:
	Describe the factors of retention and stabilization of the complete dentures.
4.	Vertical and horizontal relation of the upper and the lower jaw
	Expected learning outcomes:
	Define how to make vertical and horizontal relation of the upper and the lower jaw
	benne now to make vertical and honzontal relation of the apper and the lower jaw.
F	Catura of the teeth
э.	
	Expected learning outcomes:
	Explain the basic rules.

Describe the selection of the front teeth- shape, color, height, width, material. Aalyze the preparation of casts for teeth setup.

6. Completion of waxing, investing, packing, pressing, polymerization, materials for processing, procedures of processing.

Expected learning outcomes:

Define the procedure completion of waxing.

Describe packing, pressing, polymerization, procedure of processing.

7. Relining and rebasing the complete denture.

Expected learning outcomes: Define the difference between relining and rebasing complete denture. Explain the procedue for the both procedures.

8. The reasons of partial edentolous, and classification of partial edentolous.

Expected learning outcomes:

Analyze the reasons of partial edentolous.

Describe the classification of partial edentolous.

9. Elements of removable partial denture and partial denture base.

Expected learning outcomes:

Describe the elements of removable partial denture: major connector, minor connector, direct retainer, indirect retainer and denture base.

10. Planning of partial denture

Expected learning outcomes: Analyze the elements important for planning partil dentures. Describe different situation – Kennedy classification.

11. Dental parallelometer.

Expected learning outcomes: Describe the parts of dental parallelometer.

12. Elements of retention.

Expected learning outcomes: Distinguish clasps, types of clasps (material)- wire and cast clasp.

13. Possibility of aesthetic retention partial denture.

Expected learning outcomes: Define the possibility of aesthetic retention partial dentures.

14. The aparature and the instruments at the dental laboratory.

Expected learning outcomes:

Describe the laboratory of dental medicine.

Differentiate the appliances in the laboratory of dental medicine. Describe and explain the use of particular appliances and instruments.

15. Complications during construction of partial denture.

Expected learning outcomes:

Differentiate the possible complications during construction of partial denture. Describe how to manage it.

The list of practicals with descriptions:

Practicals within the Preclinical removable prosthodontics course are performed in the preclinical exercise room. Before accessing the exercises, students are required to acquire theoretical knowledge that they will perform practically. During the exercises, the student will independently, under the supervision of the teacher, carry out fabrication of custom trays with light polymerizing acrylics. Jaws relationship-height, centric relation, occlusal plane, bite recording and determination of occlusal plane on the phantom. Setup of the frontand posterior teeth. Processing, polymerization apparatus-programming-laboratory.Polymerization, remount procedure, polishing of dentures-laboratory

Students' obligations:

Students are obliged to regularly attend and actively participate in all forms of classes with the practical performance of all prescribed tasks.

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 exam, students will be able to collect a maximum of 100 grade points (a maximum of 70 grade points during classes and a maximum of 30 grade points during the final exam). During classes, a student can collect a maximum of 70 grade points ; 50 grade points on colloquims, 10 grade points on seminar paper and 10 grade points during practicals with a continuous knowledge check. Students who do not pass one of the colloquia (less than 50% of the test solved) will be given one remedial colloquium.

Students who accumulate less than 35 grade points during the semester are graded F (fail).

Evaluation of the colloquium with 25 evaluation points (2 x 25)

Colloquy 25 questions = 25 points

A student must have 50% correct answers to pass. Each further answer is multiplied by the coefficient 0.625 and the number of points on the colloquium is obtained.

Seminar paper (up to 10 grade points)

Elements that are taken into account when evaluating the oral presentation of the seminar paper: adherence to the given time, clarity of presentation, wit and originality of the presentation and the form of the presentation.

Elements that are taken into account when evaluating the written seminar paper: the quality of the treatment of the topic (structure, style, accuracy, etc.), extensiveness, the form of the submitted material and the literature used.

Average grade for each practicals (5-1)	Total average grade of all practicals	Numbr of grade points
5	4,5- 5	10
4	3,5- 4,49	8

Evaluation of practicals (up to 10 grade points)

3	2,50- 3,49	6
2	2- 2,49	5
1	0- 1,99	0

The final exam is written and covers the material determined by the course plan and program. A maximum of 30 evaluation points can be collected on the final exam. It is necessary to solve at least 50% of the final exam to obtain a positive final grade. The final grade of the exam is formed according to the total activity of the student, i.e. from the grade points collected during the semester and the grade points on the final exam.

Evaluation of the written part of the final exam with 30 marks

Exam 50 questions = 30 points

In order to pass, a student must have 50% correct answers - each further answer is multiplied by the coefficient 0.375 and the number of points on the exam is obtained (30/80).

Formation of the final grade:

Points earned on the written part of the final exam are added to the grade points earned during the semester. 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 grading 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:

COURSE SCHEDULE (for academic year)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor	
20.03.2023.	L1, L2 9.30-11.00 Krešimirova 42			Vlatka Debeljak, PhD, Professor	
21.03.2023.	L3, L4 16.00-17,30 Krešimirova 42			Vlatka Debeljak, PhD, Professor	
22.03.2023.	L5, L6, L7, L8 08.00-11.00 Krešimirova 42			Vlatka Debeljak, PhD, Professor	
22.03.2023.	L9, L10 11.00-12.30 online			Vlatka Debeljak, PhD, Professor	
27.03.2023.			P1 8.00-11.00 Krešimirova 42	Davor Vučinić, DMD	
28.03.2023.			P2 8.00-11.00 Krešimirova 42	Davor Vučinić, DMD	
28.03.2023.	L11, L12 6.00-17.30 online			Vlatka Debeljak, PhD, Professor	
29.03.2023.	L13, L14 11.00-12.30 online			Vlatka Debeljak, PhD, Professor	
04.04.2023.			P3 8.00-11.00 KrešimiroPa 42	Davor Vučinić, DMD	
04.04.2023.	L15, L16 16.00-17.30 online			Vlatka Debeljak, PhD, Professor	
05.04.2023.	L17, L18 11.00-12.30 online			Vlatka Debeljak, PhD, Professor	
11.04.2023.			P4 8.00-11.00 Krešimirova 42	Davor Vučinić, DMD	
11.04.2023.	L19, L20 16.00-17.30 online			Vlatka Debeljak, PhD, Professor	
12.04.2023.	L21, L22 11.00-12.30 online			Vlatka Debeljak, PhD, Professor	
17.04.2023.			Р5	Davor Vučinić, DMD	

			8.00-11.00	
			Krešimirova 42	
18.04.2023.			P6	Davor Vučinić, DMD
			8.00-11.00	
			Krešimirova 42	
18.04.2023.	L23, L24			Vlatka Debeljak, PhD, Professor
	16.00-17.30			
	online			
19.04.2023.	L25, L26			Vlatka Debeljak, PhD, Professor
	11.00-12.30			
	online			
25.04.2023.			P7	Davor Vučinić, DMD
			8.00-11.00	
			Krešimirova 42	
25.04.2023.	L27, L28			Vlatka Debeljak, PhD, Professor
	16.00-17.30			
	online			
26.04.2023.	L29, L30			Vlatka Debeljak, PhD, Professor
	11.00-12.30			
	online			
02.05.2023.			P8	Davor Vučinić, DMD
			8.00-11.00	
			Krešimirova 42	
02.05.2023.		S1, S2		
		16.00-17.30		
		online		
03.05.2023.		S3, S4		Vlatka Debeljak, PhD, Professor
		11.00-12.30		
		online		
08.05.2023.			P9	Davor Vučinić, DMD
			8.00-11.00	
			Krešimirova 42	
08.05.2023.			P10	Davor Vučinić, DMD
			8.00-11.00	
			Krešimirova 42	
09.05.2023.		S5, S6		Vlatka Debeljak, PhD, Professor
		16.00-17.30		
		online		
10.05.2023.		S7, S8		Vlatka Debeljak, PhD, Professor
		11.00-12.30		
		online		
16.05.2023.			P11	Davor Vučinić, DMD
			8.00-11.00	
			Krešimirova 42	
16.05.2023.		S9, S10		Vlatka Debeljak, PhD, Professor
		16.00-17.30		
		online		
17.05.2023.		S11, S12		Vlatka Debeljak, PhD, Professor
		11.00-12.30		
		online		

22.05.2023.		P12	Davor Vučinić, DMD
		8.00-11.00	
		Krešimirova 42	
23.05.2023.		P13	Davor Vučinić, DMD
		8.00-11.00	
		Krešimirova 42	
23.05.2023.	S13, S14		Vlatka Debeljak, PhD, Professor
	16.00-17.30		
	online		
24.05.2023.	S15		Vlatka Debeljak, PhD, Professor
	11.00-11.45		
	online		
05.06.2023.		P14	Davor Vučinić, DMD
		8.00-11.00	
		KrešimiroPa 42	
06.06.2023.		P15	Davor Vučinić, DMD
		8.00-11.00	
		KrešimiroPa 42	

List of lectures, seminars and practicals:

	LECTURES (Topics)	Teaching hours	Location/Lecture room
L1	Introduction to the course, definition, purpose and scope of the profession	1	Krešimirova 42
L2	Complete denture overview. Ledge of the upper and lower complete dentures	1	Krešimirova 42
L3	Preliminary Edentulous Impressions, custom trays and impression materials.	1	Krešimirova 42
L4	Analyse of diagnostic casts.	1	Krešimirova 42
L5	Final Impressions for Complete Dentures	1	Krešimirova 42
L6	Boxing and Pouring Final Impression	1	Krešimirova 42
L7	Recording Maxillo-mandibular Relationships	1	Krešimirova 42
L8	Clinical procedure during bite recording at edentulous jaws; Occlusal plane.	1	Krešimirova 42
L9	Articulators-distribution, face-bow transfer, choice of articulators. Transferring working models to the articulator.	1	online

L10	Selecting and Setting Denture Teeth (selecting anterior teeth).	1	online
L11	Selecting Posterior Teeth Form (statics).	1	online
L12	Philosophies of Denture Occlusion	1	online
L13	Molding of the base of complete prostheses in wax, investment in a cuvette and possibilities of polymerization. Polymerization and definitive treatment of complete dentures	1	online
L14	Reparation of denture fractures; Residual ridge resorption, relining, laboratory relining.	1	online
L15	Final lecture, indications for complete denture with metal base.	1	online
L16	Classification of partial edentoulism: Kennedy, Eichner, functional classification with respect to the load (dental, mucosal), specific loading.	1	online
L17	Preparation of the mouth and teeth for partial dentures	1	online
L18	Impression procedures of partially edentulous jaws.	1	online
L19	Partial denture base – choice of shape and material.	1	online
L20	Elements for retention of partial dentures - clasps	1	online
L21	Elements for retention of partial dentures – attachments, crossbar, telescopic systems.	1	online
L22	Elements for stabilisation of partial dentures – occlusal rest seat.		
L23	Milling	1	online
L24	Planning of partial denture	1	online
L25	Stabilisation of partial dentures	1	online
L26	Planning of partial denture and phases of work for different Kennedy classes- most frequent solutions and types of planning, relationship of jaws, centric relation and centric occlusion, most frequent solutions depending on Eichner classification.	1	online
L27	Fabrication of metal base-phases, materials, sandblasting, try in of base-further clinical procedures.	1	online
L28	Factors of occlusion and tooth set in partial dentures.	1	online

L29	Technical processing and delivery of finished complete denure	1	online
L30	Reparature and relining of partial dentures	1	online
	TOTAL TEACHING HOURS	30	

	SEMINARS (Topics)	Teaching hours	Location/Lecture room
S1	Ledge of the upper and lower complete dentures; soft tissues, hard tissue	1	online
S2	Anatomical (preliminary) impression, functional impressuion; trays and impression materials	1	online
S3	Factors of the retention and stabilization of the complete dentures	1	online
S4	Vertical and horizontal relation of the upper and the lower jaw	1	online
S5	Setup of the teeth; basic rules; selection of the front teeth- shape, color, height, width, material, preparation of casts for teeth setup	1	online
S6	Completion of waxing, investing, packing, pressing, polymerization, materials for processing, procedures of processing.	1	online
S7	Relining and rebasing the complete denture	1	online
S8	The reasons of partial edentolous, and classification of partial edentolous.	1	online
S9	Elements of removable partial denture and partial denture base.	1	online
S10	Planning of partial denture	1	online
S11	Dental parallelometer	1	online
S12	Elements of retention: clasps, types of clasps (material)- wire and cast clasp	1	online
S13	Possibility of aesthetic retention partial denture.	1	online
S14	The aparature and the instruments at the dental laboratory.	1	online
S15	Complications during construction of partial denture	1	online
	TOTAL TEACHING HOURS	15	

	PRACTICALS (Topics)	Teaching hours	Location/Lecture room
P1	Preclinical workplace, equipment and instruments	4	Krešimirova 42
P2	Demonstration of working on a simulator	4	Krešimirova 42
	Practical work on the simulator - work ergonomics		
P3	Visit to the laboratory of dental medicine, workplace,	4	Krešimirova 42
	appliances and instruments for work		
P4	Practical work on the simulator - work ergonomics	4	Krešimirova 42
P5	Practical work on the simulator - work ergonomics	4	Krešimirova 42
P6	Practical work on the simulator - work ergonomics	4	Krešimirova 42
P7	Practical work on the simulator - work ergonomics	4	Krešimirova 42
P8	Practical work on the simulator - work ergonomics	4	Krešimirova 42
P9	Practical work on the simulator - work ergonomics	4	Krešimirova 42
P10	Practical work on the simulator - work ergonomics	4	Krešimirova 42
P11	Practical work on the simulator - work ergonomics	4	Krešimirova 42
P12	Practical work on the simulator - work ergonomics	4	Krešimirova 42
P13	Practical work on the simulator - work ergonomics	4	Krešimirova 42
P14	Practical work on the simulator - work ergonomics	4	Krešimirova 42
P15	Practical work on the simulator - work ergonomics	4	Krešimirova 42
	TOTAL TEACHING HOURS	60	

	FINAL EXAM DATES
1.	15.06.2023.
2.	13.07.2023.
3.	14.09.2023.