

## FIȘA DISCIPLINEI

### 1. Date despre program

1.1 Instituția de învățământ superior	<b>UNIVERSITATEA DE MEDICINA ȘI FARMACIE "VICTOR BABEȘ" TIMIȘOARA</b>
1.2 Facultatea	<b>FACULTATEA DE MEDICINĂ DENTARĂ</b>
1.3 Departamentul	III
1.4 Domeniul de studii de..... <sup>1)</sup>	Health + Sector Reglementation in the European Union
1.5 Ciclul de studii <sup>2)</sup>	Licență
1.6 Programul de studii/ Calificarea	<b>Dental Medicine</b>

### 2. Date despre disciplină

2.1. Denumirea disciplinei	<b>Minimally invasive techniques of esthetic rehabilitation of partially edentulous patient</b>							
2.2 Titularul activităților de curs	Asist. univ. Dr. <b>Cândea Adrian</b> , dr.med, titular, plata cu ora							
2.3 Titularul activităților de laborator	Asist. univ. Dr. <b>Cândea Adrian</b> , dr.med, titular, norma de baza							
2.4 Anul de studiu	<b>IV</b>	2.5 Semestrul	<b>2</b>	2.6 Tipul de evaluare	<b>Colocviu</b>	2.7 Regimul disciplinei	Conținut <sup>3)</sup>	<b>DS</b>
							Obligativitate <sup>3)</sup>	<b>DO</b>

### 3. Timpul total estimat (ore pe semestru al activităților didactice)

3.1 Număr de ore pe săptămână	<b>2</b>	3.2 din care: curs	<b>1</b>	3.3 laborator	<b>1</b>
3.4 Total ore din planul de învățământ	<b>28</b>	3.5 din care: curs	<b>14</b>	3.6 laborator	<b>14</b>
Distribuția fondului de timp					ore
Studiul după manual, suport de curs, bibliografie și notițe					
Documentare suplimentară în bibliotecă, pe platformele electronice de specialitate și pe teren					
Pregătire seminarii/ laboratoare/ proiecte, teme, referate, portofolii și eseuri					
Tutoriat					
Examinări					
Alte activități					
<b>3.7 Total ore studiu individual</b>					
<b>3.8 Total ore pe semestru</b>					
<b>3.9 Numărul de credite<sup>5)</sup></b>	<b>1</b>				

### 4. Precondiții (acolo unde este cazul)

4.1 de curriculum	
4.2 de competențe	

### 5. Condiții (acolo unde este cazul)

5.1 de desfășurare a cursului	<ul style="list-style-type: none"> <li>Room needs a laptop, projector, interactive board.</li> <li>Mobile phones will be kept on silent during the class</li> <li>Students will meet in the assigned class</li> <li>Delay to lecture will not be tolerated as it proves disruptive to the educational process;</li> <li>Lecture presence is mandatory, 30% of absences will be accepted.</li> </ul>
5.2 de desfășurare a seminarului/ laboratorului/ proiectului	<ul style="list-style-type: none"> <li>Delay to lecture will not be tolerated as it proves disruptive to the educational process;</li> <li>Laboratory presence is mandatory, 15% of absences will be accepted. Absences can be recovered in the last week of each semester with the permission of the group assistant, only after paying the corresponding tax;</li> <li>Final exam and laboratory exam dates will be set by the head of the department with the consultancy of the students;</li> <li>Practical exam will be held in the last week of the semester in accordance with laboratory curricula;</li> <li>Passing the laboratory exam is mandatory for passing the final exam.</li> </ul>

### 6. Competențe specifice acumulate

<b>Competențe Profesionale</b>	1.Acquiring medical language, useful in the clinical practice; 2.Understanding the concepts of minimally invasive dentistry; 3.Ability to perform certain minimally invasive techniques on the typodont model..
<b>Competențe transversale</b>	1.Efficient use of communication resources (Internet, online lectures, data bases); 2.Identification of objectives, available resources, working steps as well as possible risks; 3.Initiation of research activities in the field of minimally invasive dentistry. 4. The profession of dentist is a job that requires interdisciplinarity, which is why it is necessary to develop abilities, other than medical, communication, organizational, technical, aesthetic.

#### 7. Obiectivele disciplinei (reieșind din competențele specifice acumulate)

7.1 Obiectivul general al disciplinei	To explain both theoretical and practical terms, notions, methods and principles regarding minimally invasive techniques of esthetic rehabilitation of partially edentulous patient.
7.2 Obiectivele specifice	1. Understanding the minimally invasive treatment alternatives; 2. Minimally invasive preparation types suitable for single restorations and for small FPDs; 3. Impression materials and techniques; 4. Provisionals.

#### 8. Conținuturi

8.1 class	Metode de predare	Număr de ore	Observații
1. What is minimally invasive dentistry? Terminology. Principles. Concepts. Advantages.	<ul style="list-style-type: none"> <li>Oral lecture, interactive Powerpoint presentations;</li> <li>Powerpoint presentations with suggestive images and tables;</li> <li>Continuous updates of the lecture material in accordance with the newest concepts, devices, technologies in fixed prosthodontics;</li> <li>Clear statment of educational objectives before each lecture.</li> </ul>	1	
2. Minimally invasive approaches to different clinical situations.		1	
3. Adhesion to hard dental tissues. Adhesion to enamel. Adhesion to dentin. Hybrid layer. Generation of adhesives.		1	
4. Conditioning procedures adherent substrates of fixed prosthetic restorations		1	
5. Restoretions of small edentations with direct (Ibsen, Portnoy methods).		1	
6. Adhesive fixed partial prosthetic restorations. Definition. Classification. Indications. Contraindications.		1	
7. Inlay as part of aggregation. Partial crowns as part of aggregation.		1	
8. Veneering. Direct technique. Description. Indications. Contraindications. / Veneering. Indirect technique. Non-invasive methods (non-prep) veneering. Lumineers.		1	
9. Alternatives to conventional techniques of tooth preparation. Principles and modern techniques in minimally invasive cavity preparation.		1	
10. Teeth whitening. Indications. Contraindications. Materials. Techniques.		1	
11. Orthodontic treatment preprosthetic role in achieving		1	

minimally invasive prosthetic restorations. Interceptive orthodontics - procedures.			
12. Minimally invasive restoration of teeth with endodontic treatment.		1	
13. Overlay vs. Overdenture. Special systems maintenance, support and stabilize adhesive therapy wing toothless extensive partial movable prosthesis. Shortened arch concept.		1	
14. News in sealing grooves and fosetelor and remineralization of dental hard tissues.		1	

**Bibliografie obligatorie:**

Rosenstiel S. F., Land M. F., Fujimoto J. – Contemporary Fixed Prosthodontics  
Roulet J.-F., Vanherle G. – Adhesive Technology for Restorative Dentistry

**Bibliografie facultativă:**

Roulet J.-F., DeGrange M. – Adhesion: The Silent Revolution in Dentistry

8.2 Seminar/ Laborator/stagiu/ proiect	Metode de predare-învățare	Număr de ore	Observații
1. Introductory stage. Presentation of specific instruments minimally invasive techniques.	<b>LECTURE+ DEBATE + STUDIES - PRESENTATIONS</b>  <ul style="list-style-type: none"> <li>• Oral lecture, interactive Powerpoint presentations;</li> <li>• Powerpoint presentations with suggestive images and tables;</li> <li>• Case reports</li> </ul>	1	
2. Preparation of cavities for minimally invasive restoration to DRC.		1	
3. preparation of abutment teeth for restoration with RPFA in the anterior area.		1	
4. Preparation of abutment teeth for restoration with RPFA in the posterior area.		1	
5. Preoperative assessment in minimally invasive dentistry. Mock-up/ Wax-up.		1	
6. Tooth preparation for restoration with porcelain veneers.		1	
7. Restoration of tooth by direct bonding technique DRC.		1	
8. Minimally invasive techniques in solving diastema.		1	
9. Closing a single tooth edentation using direct / combined techniques in anterior area.		1	
10. Closing a single tooth edentation using direct / combined techniques in posterior area.		1	
11. Preparation of abutment teeth to restore a single tooth edentation by RPF on inlays.		1	
12. Closing a small edentulous space using RDC.		1	
13. Special systems maintenance, support and stabilization stitched adhesive.		1	
14. Overlay preparation.		1	

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## 9. Coroborarea conținuturilor disciplinei cu așteptările reprezentanților comunităților epistemice, asociaților profesionale și angajatori reprezentativi din domeniul aferent programului

The student is familiarised with the basic notions and concepts in minimally invasive dentistry, classifications, armamentarium, clinical and technical steps, that will serve later on in clinical practice. As a result, the student will gain useful information and clinical skills, in accordance with the current demands in the field of dentistry, meeting the educational standards imposed by EU.

## 10. Evaluare

Tip activitate	10.1 Criterii de evaluare	10.2 Metode de evaluare	10.3 Pondere din nota finală
10.4 Curs	Colocviu grila - cunoștințe pentru nota 5: 50% +1 din numărul de puncte al grilei - cunoștințe pentru nota 10: 95% din numărul de puncte al grilei		60%
10.5 Laborator/Stagiu	Case studies. Discussion.		40%
10.6 Standard minim de performanță			
Understanding and using the notions of communication.			

Data completării	Semnătura titularului de curs	Semnătura titularului de laborator/stagiu
Semnătura șefului de disciplină .....		
Data avizării în departament	Semnătura directorului de departament Prof. Dr. ....	

### Notă:

- 1) Domeniul de studii - *se alege una din variantele:* Licență/ Masterat/ Doctorat (se completează conform cu Nomenclatorul domeniilor și al specializărilor/ programelor de studii universitare în vigoare) ;
- 2) Ciclul de studii - *se alege una din variantele:* Licență/ Master/ Doctorat;
- 3) Regimul disciplinei (conținut) - *se alege una din variantele:* **DF** (disciplină fundamentală)/ **DD** (disciplină din domeniu)/ **DS** (disciplină de specialitate)/ **DC** (disciplină complementară) - *pentru nivelul de licență;* **DAP** (disciplină de aprofundare)/ **DSI** (disciplină de sinteză)/ **DCA** (disciplină de cunoaștere avansată) - *pentru nivelul de masterat;*
- 4) Regimul disciplinei (obligativitate) - *se alege una din variantele:* **DI** (disciplină obligatorie)/ **DO** (disciplină opțională)/ **DFac** (disciplină facultativă);
- 5) Un credit este echivalent cu 25 – 30 de ore de studiu (activități didactice și studiu individual).
- 6) Pentru specializările și/sau disciplinele a căror tematică se regăsește în bibliografia de rezidențiat, aceasta devine obligatorie.