

## CHART OF DISCIPLINE/ SYLLABUS

### 1. Study Program Data

1.1 High Education Institution	<b>“VICTOR BABEȘ” UNIVERSITY OF MEDICINE AND PHARMACY OF TIMIȘOARA</b>
1.2 Faculty	<b>DENTAL MEDICINE</b>
1.3 Department	<b>II</b>
1.4 Study Domain ..... <sup>1)</sup>	<b>DENTAL MEDICINE</b>
1.5 Cycle Studies <sup>2)</sup>	<b>Licence</b>
1.6 Study programme/ Qualification	<b>DENTAL MEDICINE</b>

### 2. Course Data

2.1.Course/Department	<b>Interdisciplinarity of contemporary dental medicine</b>							
2.2 Course tutor	Lecturer Dr. Emilia Ogodescu							
2.3 Practical activity tutors								
2.4. Year of study	<b>VI</b>	2.5 Semester	<b>I</b>	2.6 Assessment	<b>Colocvium</b>	2.7 Course rank	Content <sup>3)</sup>	<b>DS</b>
							Mandatory /Compulsory <sup>3)</sup>	<b>DO</b>

### 3. Duration/Estimated Time (number of hours/ semester of teaching activity)

3.1 Number of hours/ week	<b>2</b>	3.2 lecture/course	<b>2</b>	3.3 laboratory	
3.4 Total hours of curriculum	<b>28</b>	3.5 lecture/course	<b>28</b>	3.6 laboratory	
Time distribution for course activities					hours
Study support- manuals, lectures, references and notes					1
Additional documentation – library, dedicated platforms from domain					1
Documentation for seminars/ practical activity/ projects, themes, portfolios and essays					-
Tutoring					-
Assessment					2
Other activities					-
3.7 Total number of hours for individual study	<b>2</b>				
3.8 Total number of hours per semester	<b>30</b>				
3.9 Number of credits <sup>5)</sup>	<b>1</b>				

### 4. Preconditions (if applicable and requested)

4.1 Courses- studied curriculum / rules for attending the course	
4.2 Practical activities/seminars/projects studied curriculum, basic skills/ rules for attending the course	

### 5. Condition (if applicable and requested)

5.1 Courses	<ul style="list-style-type: none"> <li>• Mobile phones will be closed during classes, telephone conversations are not tolerated during the course, and students may not leave the classroom for personal phone calls;</li> <li>• It will not be tolerated that students are late for the course, as it proves to be disruptive to the educational process;</li> <li>• Presence in the course is mandatory, with a maximum of 50% absences accepted.</li> </ul>
5.2 Laboratory/practical activity/ project	-

### 6. Key competencies and basic skills

<b>Professional Competencies</b>	<ol style="list-style-type: none"> <li>1. Development of a medical vocabulary useful in medical practice;</li> <li>2. Interpretation of clinical examinations (pictures, study model, X-ray) and of additional examinations (CBCT, periodontal chart, occlusion analysis, electromyography)</li> <li>3. Understanding of the biomechanical and clinical principles in orthodontic treatment of adults</li> <li>4. Identification of the anomalies secondary to periodontal disease and the particularities of orthodontic displacement in these patients</li> <li>5. Knowledge of collaboration principles in pre and post-surgical orthognathic orthodontics</li> <li>6. Knowledge of clinical situations for the interdisciplinary treatment</li> <li>7. Knowledge of the protocols for the following interdisciplinary collaborations: orthodontics-prosthetics, orthodontics-periodontology, orthodontics-surgery, orthodontics-implantology and in treatment of labio-maxillary-palatal clefts</li> </ol>
<b>Transversal Competencies</b>	<ol style="list-style-type: none"> <li>1. Identification of the roles and responsibilities in a multidisciplinary team and development of an effective relationship and work techniques within the team to facilitate future interdisciplinary collaboration.</li> <li>2. Effective use of information sources, communication resources and assisted training (Internet portals, specialized software applications, databases, on-line courses, etc.) both in Romanian and in an international language.</li> <li>3. Identification of the objectives to be achieved, the available resources, the conditions for their completion, the work stages, the working times, the related implementation deadlines and the related risks.</li> </ol> <p>Initiating scientific research activities in interdisciplinary domain.</p>

## 7. Disciplines/Course objectives (based on the key competences)

7.1 Disciplines/Course general objectives	<ol style="list-style-type: none"> <li>1. Acquiring theoretical and practical knowledge about clinical examination and diagnosis of patients who require treatment in an interdisciplinary team.</li> <li>2. Acquiring theoretical and practical knowledge about the approaches of interdisciplinary treatment (orthodontics-prosthetics, orthodontics-periodontology, orthodontics-surgery, orthodontics-implantology and in treatment of labio-maxillary-palatal clefts).</li> </ol>
7.2 Disciplines/Course specific objectives	<ol style="list-style-type: none"> <li>1. Indications of orthodontic-surgical treatments for teeth, alveolar processes and soft tissues</li> <li>2. Characteristic features of orthodontic treatment in patients who require orthognathic surgical interventions, multidisciplinary approaches in patients with labio-maxillary-palatal clefts</li> <li>3. Indications and limitations of orthodontics-prosthetics associated treatment, characteristic features of orthodontic treatment in patients who require orthodontic restoring therapy</li> <li>4. Orthodontics-periodontology treatment, characteristic features of orthodontic treatment in patients with periodontal disease; indications and contraindications</li> <li>5. General and specific measures of treatment in craniomandibular dysfunction; indications and contraindications of orthodontic treatment in patients with craniomandibular dysfunction</li> </ol>

## 8. Content

8.1 Course	Teaching method	Number of hours	Notification
1. Interdisciplinary in contemporaneous science. Interdisciplinary versus multidisciplinary. Interdisciplinary in dental medicine	<ul style="list-style-type: none"> <li>• Oral lecture delivered through structured, interactive Powerpoint presentations, along with a rich and suggestive iconography</li> <li>• PPT presentations contain suggestive images, tables and schemes of mechanisms and manifestations of pathological conditions as well as questions from the covered subjects.</li> <li>• The informative material is continuously updated with the latest information in the field of dental medicine.</li> <li>• Each course presents the</li> </ul>	2	•
1. Interdisciplinary orthodontics-prosthetics collaboration I: Specific features of the stomatognathic system in adults. Biomechanical and clinical principles in orthodontic treatment in adults. Risks of interdisciplinary orthodontic treatment. Objectives of preprothetic orthodontic treatment.		2	
3. Interdisciplinary orthodontics-prosthetics collaboration II: Indications and contraindications of preprothetic orthodontic treatment. Prosthetic treatment in patients with orthodontic braces.		2	
4. Interdisciplinary orthodontics-prosthetics collaboration III: Types of dental displacements necessary for preprothetic		2	

treatment. Forced eruption. Intrusion. Positional recovery of tilted teeth. Distribution of pillar teeth and recalibration of edentulous gaps. Protocol for interdisciplinary orthodontics-prosthetics collaboration. Clinical cases.	educational objectives at the beginning and ends with the summary of the notions presented.		
5. Interdisciplinary orthodontics-periodontology collaboration I: Types of dento-maxillary anomalies more frequently met in adults. Dento-maxillary anomalies with impact on marginal periodontium. Dento-maxillary anomalies secondary to marginal periodontitis.		2	
6. Interdisciplinary orthodontics-periodontology collaboration II: Indications and contraindications of the orthodontic treatment in patients with periodontal problems. Objectives of the orthodontic treatment in patients with periodontitis.		2	
7. Interdisciplinary orthodontics-periodontology collaboration III: The phase of periodontal treatment during the interdisciplinary orthodontics-periodontology treatment. Specific features of orthodontic displacements in patients with periodontal pathologies. Protocol for interdisciplinary orthodontics-periodontology collaboration. Clinical cases.		2	
8. Interdisciplinary orthodontics-surgery collaboration I: Collaboration principles. Pre and post-surgical orthognatic orthodontics. Interdisciplinary collaboration in the treatment of patients with labio-maxillary-palatal clefts. Clinical cases.		2	
9. Interdisciplinary orthodontics-surgery collaboration II: Common oro-dental surgical techniques in patients with dento-maxillary anomalies and clinical protocols for interdisciplinary collaboration.		2	
10. Digital techniques in interdisciplinary orthodontic treatment.		2	
11. Interdisciplinary management of dental surfaces during the orthodontic treatments.		2	
12. Interdisciplinary collaboration in the management of dental anomalies of number, shape, volume, position and structure.		2	
13. Principles of orthodontics-implantology interdisciplinary: orthodontic implants and clinical applicability.		2	
14. Principles of orthodontics-implantology interdisciplinary: features of oral-prosthetics orthodontics-implantology interdisciplinary and clinical examples.		2	
<b>Required bibliography:</b> 1. Note de curs Alexandru Ogodescu, Magda Luca, Emilia Ogodescu, Kristina Marta, Olimpiu Karancsi, Irina Zetu. Principii de tratament ortodontic interdisciplinar. Editura Mirton 2017 <b>Optional bibliography:</b> 1. Alexandru Ogodescu, Elisabeta Bratu, Florica Glăvan, Ștefan Stratul, Emilia Ogodescu, Marcel Moise,Tratamentul ortodontic la adult, Ed Eubeea, 2008 2. Birte Melsen, Adult Orthodontics. Ed Wiley-Blackwell. 2012			

## 9. Correlations between the content of the course and the requirements of the professional field and relevant employers

<p>The student is familiar with the characteristics of interdisciplinary orthodontic treatment of the pathology characteristic to dental medicine.</p> <p>Note that the profession of dentist is regulated at EU level, including through minimum training standards, which are considered in curricular content development.</p> <p>Students interested in the research activity have the opportunity to be co-opted in the Pedodontics Discipline as volunteers and to work under the direct guidance of the teaching staff of the discipline and to participate actively in national student scholarly sessions.</p>	
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## 10. Assessment

Activity	10.1 Assessment criteries	10.2 Assessment methods	10.3 Percentage of the final grade
10.4 Course	<p><i>Knowledge for grade 5:</i> definitions, classifications, knowledge of the characteristics of interdisciplinary role in dental medicine practice.</p> <p><i>Knowledge for grade 10:</i> definitions, classifications, knowledge of the role, protocols and interdisciplinary team characteristics in the following collaborations: orthodontics-prosthetics, orthodontics-periodontology, orthodontics-surgery, orthodontics-implantology and in treatment of labio-maxillary-palatal clefts</p>	<i>Final evaluation:</i> multiple choice test with 50 questions	100%
10.6 Minimum performance standard-basic knowledge			
Knowledge of specialty terminology, task of interdisciplinary team in the following collaborations: orthodontics-prosthetics, orthodontics-periodontology, orthodontics-surgery, orthodontics-implantology and in treatment of labio-maxillary-palatal clefts.			

Date 20.04.2023	Signature of the course holder Şef Lucr. Dr. Emilia Ogodescu	Signature of the laboratory/seminar holder
Signature of the Head of Discipline Şef Lucr. Dr. Mălina Popa		
Date of approval in the Department	Signature of the Head of Department Prof. Univ. Dr. Brad Silviu	

- 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 de ore de studiu (activități didactice și studiu individual).

\*nr de ore de studiu individual (punctul 3.7.) = nr total ore (nr credite X 25) minus nr. ore din planul de învățământ (punctul 3.4) minus ore alocate pentru examinări. Aceste ore se împart între

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	

- 6) Pentru specializările și/sau disciplinele a căror tematică se regăsește în bibliografia de rezidențiat, aceasta devine obligatorie. Dintre titlurile bibliografice, 50% trebuie să fie din ultimii 5 ani.