

## FIȘA DISCIPLINEI

### 1. Date despre program

1.1 Instituția de învățământ superior	<b>UNIVERSITATEA DE MEDICINĂ ȘI FARMACIE "VICTOR BABEȘ" TIMIȘOARA</b>
1.2 Facultatea	<b>FACULTATEA DE MEDICINĂ DENTARĂ</b>
1.3 Departamentul	<b>II</b>
1.4 Domeniul de studii de ..... <sup>1)</sup>	Licență/sănătate
1.5 Ciclu de studii <sup>2)</sup>	Licență
1.6 Programul de studii/Calificarea	<b>Medicină Dentară</b>

### 2. Date despre disciplină

2.1. Denumirea disciplinei	<b>PEDODONȚIE</b>							
2.2 Titularul activităților de curs	Prof. Dr. Ogodescu Alexandru, dr. med, titular (normă de bază)							
2.3 Titularul activităților de laborator	Șef. lucr. Dr. Popa Mălina Asist. Univ. Dr. Luca Magda Asist. Univ. Dr. Ogodescu Emilia Asist. Univ. Dr. Dinu Ștefania Asist. Univ. Dr. Lazăr Cristina							
2.4 Anul de studiu	<b>V</b>	2.5 Semestrul	<b>I</b>	2.6 Tipul de evaluare	<b>Examen</b>	2.7 Regimul disciplinei	Conținut <sup>3)</sup>	<b>D.S.</b>
							Obligativitate <sup>3)</sup>	<b>D.I.</b>

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

3.1 Număr de ore pe săptămână	<b>8</b>	3.2 din care: curs	<b>2</b>	3.3 laborator	<b>6</b>
3.4 Total ore din planul de învățământ	<b>112</b>	3.5 din care: curs	<b>28</b>	3.6 laborator	<b>84</b>
Distribuția fondului de timp					ore
Studiul după manual, suport de curs, bibliografie și notițe					15
Documentare suplimentară în bibliotecă, pe platformele electronice de specialitate și pe teren					15
Pregătire seminarii/ laboratoare/ proiecte, teme, referate, portofolii și eseuri					13
Tutoriat					
Examinări (1 examen practic, 1 examen scris)					20
Alte activități					
<b>3.7 Total ore studiu individual</b>	<b>43</b>				
<b>3.8 Total ore pe semestru</b>	<b>175</b>				
<b>3.9 Numărul de credite<sup>5)</sup></b>	<b>7</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>• 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> </ul>
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	<ul style="list-style-type: none"> <li>• Presence in the course is mandatory, with a maximum of 30% absences accepted.</li> </ul>
5.2 de desfășurare a seminarului/ laboratorului/ proiectului	<ul style="list-style-type: none"> <li>• Mobile phones will be closed throughout the laboratories, phone calls during the lab or students leaving the classroom to take over personal telephone calls is forbidden;</li> <li>• The students being late will not be tolerated as it proves to be disruptive to the educational process;</li> <li>• Presence at the laboratory is mandatory, with a maximum of 15% absences being accepted; Reimbursements can be made in the last week of each semester in agreement with the group assistant after paying the appropriate fee (except for medical cases);</li> <li>• The dates for the support of seminars in the subject matter and the final exam are determined by the student in agreement with the students. Applications for postponement will not be accepted for reasons other than a legitimate objective;</li> <li>• The examination dates for the seminars and the final exam are determined by the course titular in agreement with the students. Applications for postponement will not be accepted for reasons other than a legitimate objective;</li> <li>• The practical exam will be held in the last week of the first semester from the subjects taught at the practical works;</li> <li>• Promotion of the practical exam is mandatory in order to promote the final exam.</li> </ul>

## 6. Competențe specifice acumulate

Competențe Profesionale	<ol style="list-style-type: none"> <li>1. Development of a medical vocabulary useful in medical practice;</li> <li>2. Description of symptomatology and treatment modalities in dental traumas in primary and permanent young dentition;</li> <li>3. Etiopathogenic and clinical knowledge of number, volume, shape, hereditary dysplasia, acquired dysplasia and dental disharmony;</li> <li>4. Knowledge of the clinical forms of gingivitis and periodontitis encountered in pedodontic practice; recognizing and describing oral injuries encountered in pedodontic practice;</li> <li>5. Knowledge of indications, contraindications and technique of extraction for primary and permanent teeth, as well as surgical methods in conservative therapy;</li> <li>6. Knowledge of the restoration possibilities of coronary lesions by unidirectional prostheses in children and adolescents, prosthetic treatment of edentations in pedodontic practice;</li> <li>7. Knowledge of the administration ways and posology of the drugs indicated in pedodontic practice;</li> <li>8. Knowledge of the frequency of malocclusions and oral habits in children;</li> <li>9. Knowledge of the consequences of the permanent first molar early loss.</li> <li>10. Development of the ability to formulate a positive and differential diagnosis for the studied diseases, based on the interpretation of the complementary analyzes and their comparison with the normal parameters.</li> <li>11. Knowledge and understanding of the implications of various cardiovascular, respiratory, hematological, digestive, renal, metabolic, endocrine diseases for dental medicine.</li> </ol>
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<b>Competențe transversale</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> <li>4. Initiating scientific research activities in the pathogenesis of various diseases and their connections with dental medicine.</li> </ol>
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## 7. Obiectivele disciplinei (reieșind din competențele specifice acumulate)

7.1 Obiectivul general al disciplinei	<ol style="list-style-type: none"> <li>1. Acquiring theoretical and practical knowledge about clinical examination and diagnosis of trauma, dental anomalies and oral soft tissue disorders in the child patient.</li> <li>2. Acquiring theoretical and practical knowledge about the treatment of trauma, dental anomalies and oral soft tissue disorders in the child patient.</li> </ol>
7.2 Obiectivele specifice	<ol style="list-style-type: none"> <li>1. Establishing a diagnosis and a treatment for dental-alveolar trauma of primary and permanent teeth.</li> <li>2. Establishing a diagnosis for dental anomalies (of volume, shape, number, structure).</li> <li>3. Recognizing and describing the main diseases of marginal periodontitis in children and adolescents.</li> <li>4. Providing data on techniques used in surgery, prosthodontics and interceptive orthodontics in pedodontics.</li> <li>5. Knowledge of administration and posology of the drugs indicated in the pedodontic practice;</li> </ol>

## 8. Conținuturi

8.1 Curs	Metode de predare	Număr de ore	Observații
1. Space management in mixed dentition	<ul style="list-style-type: none"> <li>• Oral lecture delivered through structured, interactive Powerpoint presentations, along with a rich and suggestive iconography that will be available on the Moodle e-learning platform of the university.</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> </ul>	2	The optional bibliography for MD specialization is available for consultation at the Pedodontics
2. Causes and consequences of space loss in mixed dentition. Space control in mixed dentition. Space maintainers.		2	
3. Pediatric crowns. Particularities of prosthetic treatment in children and adolescents.		2	
4. Dental anomalies: number, shape, position, volume and structure. Interdisciplinary therapeutic protocols. The infiltration therapy of white spot lesions and structural anomalies. MIH syndrome.		2	
5. Regular oro-dental surgery procedures in children and adolescents.		2	

6. Growth and development of the dental system - clinical considerations. Development of dental functions: mastication, swallowing, breathing, phonation, mimics.	<ul style="list-style-type: none"> <li>The informative material is continuously updated with the latest information in the field of pedodontics.</li> <li>Each course presents the educational objectives at the beginning and ends with the summary of the notions presented.</li> </ul>	2	Discipline, at the UMFV BT library reading room or on google books.
7. Interceptive orthodontic therapy.		2	
8. Dento-periodontal traumatology in children and adolescents.		2	
9. Periodontal diseases in children and adolescents		2	
10. Oral pathology in children and adolescents		2	
11. Oral medicine in children and adolescents.		2	
12. Medical emergencies in children and adolescents.		2	
13. Treatment of children with labio-maxillo-palatine clefts. Particularities of pediatric dental treatment in children with special needs.		2	
14. Medication in pedodontics. Halitosis in children.		2	

#### Required bibliography:

- Course Notes
- Alexandru Ogorescu, Magda Luca, Emilia Ogorescu, Adriana Bălan, Andreea Igna, Carmen Savin, Darian Rusu, MANAGEMENTUL SPAȚIULUI ÎN DENTIȚIA TEMPORARĂ ȘI MIXTĂ, Ediția a II-a revizuită și adăugită, Ed. MIRTON, Timișoara, 2017
- Elisabeta Bratu, Florica Glăvan (coord.) – Practica Pedodontică, Ed. Orizonturi Universitare, Timișoara, 2005
- Rodica Luca – Pedodonție, volumul 1 și volumul 2, Editura Cerma, București, 2003

#### Optional bibliography:

- Paul S. Casamassimo DDS MS, Henry W. Fields Jr. DDS MS MSD, Dennis J. McTigue DDS MS, Arthur Nowak DMD, Pediatric Dentistry: Infancy through Adolescence, 5e ISBN-10: 0323085466 | ISBN-13: 978-0323085465
- Angus C. Cameron BDS (Hons) MSc (Syd) FDSRCS(Eng) FRACDS FICD, Handbook of Pediatric Dentistry, 4e, ISBN-10: 0723436959 | ISBN-13: 978-0723436959.

8.2 Seminar/ Laborator /stagiu/ proiect	Metode de predare-învățare	Număr de ore	Observații
1. Analysis of the space in mixed dentition (on the study cast) with completion of the analysis sheet. Space balance.	<ul style="list-style-type: none"> <li>PRELEGATION + DEBATE + STUDIES - CASE PRESENTATIONS</li> <li>Oral lecture delivered using Powerpoint presentations that will be available on the Moodle</li> </ul>	6	
2. Identification of the causes and consequences of early tooth loss (on orthopantomography or		6	

study cast) with the completion of the analysis sheet.	<div>e-learning platform of the university.</div> <ul style="list-style-type: none"><li>• Presentation of complementary investigative methods</li><li>• Interactive discussions on clinical cases.</li><li>• Case presentations in order to familiarize and retain the main paraclinical investigations for a particular pathology.</li><li>• Practical demonstrations of the main therapeutical procedures made by the group assistant.</li></ul>		
3. Space maintainers: clinical and technological aspects.		6	
4. Concept and manufacture of different types of space maintainers.		6	
5. Clinical examination of a child or adolescent with documentation, case analysis, elaboration of the treatment plan and completion of the observation sheet.		6	
6. Pediatric crowns: clinical and technological aspects.		6	
7. Dental anomalies: clinical and therapeutic aspects.		6	
8. Infiltration therapy of white spot lesions and structural anomalies. MIH syndrome.		6	
9. Extraction of primary teeth		6	
10. Assessment of oro-dental status and inter-arch relationships at different ages for the interception of dento-maxillary anomalies. Miofunctional orofacial disorders (MOD): clinical manifestations, orofacial evaluation protocol, miofunctional scores (OMES), completing the evaluation sheet, miofunctional therapy.		6	
11. Dento-periodontal trauma: clinical and therapeutic aspects.		6	
12. Periodontal diseases in children and adolescents: clinical and photographic examination.		6	
13. Oral Pathology: clinical and photographic examination. Oral medicine: clinical and photographic examination		6	
14. Medical emergencies in pedodontics: clinical and therapeutic issues.		6	
<b>Requires bibliography:</b> <ol style="list-style-type: none"><li>1. Practical classes notes</li><li>2. Course notes</li><li>3. Alexandru Ogodescu, Magda Luca, Emilia Ogodescu, Adriana Bălan, Andreea Igna, Carmen Savin, Darian Rusu, MANAGEMENTUL SPAȚIULUI ÎN DENTIȚIA TEMPORARĂ ȘI MIXTĂ, Ediția a II-a revizuită și adăugită, Ed. MIRTON, Timișoara, 2017</li><li>4. Elisabeta Bratu, Florica Glăvan (coord.) – Practica Pedodontică, Ed. Orizonturi Universitare, Timișoara, 2005</li><li>5. Rodica Luca – Pedodonție, volumul 1 și volumul 2, Editura Cerma, București,2003</li></ol>			

**Optional bibliography:**

1. Paul S. Casamassimo DDS MS, Henry W. Fields Jr. DDS MS MSD, Dennis J. McTigue DDS MS, Arthur Nowak DMD, Pediatric Dentistry: Infancy through Adolescence, 5e ISBN-10: 0323085466 | ISBN-13: 978-0323085465
2. Angus C. Cameron BDS (Hons) MSc (Syd) FDSRCS(Eng) FRACDS FICD, Handbook of Pediatric Dentistry, 4e, ISBN-10: 0723436959 | ISBN-13: 978-0723436959

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

The student is familiar with the characteristics of primary and mixed dentition, pediatric dental pathology and dento-maxillary anomalies caused by the practice of oral habits, which he will later face in clinic and in practice, as well as the paraclinical investigations that help to diagnose these pathologies and with the main therapeutic means. Thus, he / she acquires the necessary information and skills, to be able in the remaining years of study to acquire more complex knowledge according to the current requirements of the labor market in the field of health, meeting the European educational and professional standards. Note that the profession of dentist is regulated at EU level, including through minimum training standards, which are considered in curricular content development.

In order to design and standardize the content, as well as to choose the methods of teaching / learning, the discipline holders organized and participated in the didactic workshops within the national conferences. Meetings addressed discussions with Pediatric Dentistry professors in other university centers, identifying the needs and expectations of employers in the field, and coordination with other similar programs within other higher education institutions.

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.

## 10. Evaluare

Tip activitate	10.1 Criterii de evaluare	10.2 Metode de evaluare	10.3 Pondere din nota finală
10.4 Curs	<p><i>Knowledge for grade 5:</i> definitions, classifications, knowledge of the characteristics of primary and mixed dentition.</p> <p><i>Knowledge for grade 10:</i> definitions, classifications, knowledge of the characteristics of primary and mixed dentition, enumeration of causes responsible for the production of a dental anomaly, correlation of production mechanisms with clinical symptomatology, knowledge of treatment methods specific to each type of pathology</p>	<i>Final evaluation:</i> multiple choice test with 50 questions	50%
10.5 Laborator/Stagiu	<p><i>Knowledge for grade 5:</i> use of a suitable medical vocabulary, identification of the specific pathology on the studied paraclinical investigations</p> <p><i>Knowledge for grade 10:</i> identifying the specific pathology and its underlying causes, developing a complex</p>	<p><i>Continuous examination:</i></p> <ul style="list-style-type: none"> <li>-2 checks during the semester, consisting of written tests of the material handed over to LP until the date of verification</li> <li>- activity at practical work</li> </ul>	10%

	treatment plan, including oral rehabilitation from odontal point of view and maintaining space in mixed dentition	<i>Final evaluation:</i> - practical exam- which precedes the theoretical examination and consists of analyzing a study cast or orthopantomography and establishing dental age, diagnosis and treatment plan; clinical examination of a patient with the diagnosis and treatment plan, and with the clinical work indicated by the examiner.	40%
10.6 Standard minim de performanță			
Knowledge of specialty terminology, special pedodontics working techniques, understanding the mechanisms of growth and development of the dento-maxillary apparatus, and the effects of oral habits practiced during mixed dentition, in the context of intercepting anomalies that may occur during this period.			

Data completării	Semnătura titularului de curs Prof. univ. Dr. –habıl Ogodescu Alexandru	Semnătura titularului de laborator/stagiu 1. Prof. univ. Dr. –habıl Ogodescu Alexandru 2. Șef lucr. Dr. Popa Mălina 3. Asist. univ. Dr. Luca Magda 4. Asist. univ. Dr.Ogodescu Emilia 5. Asist. univ. Dr. Dinu Ștefania 6. Asist. univ. Dr. Lazăr Cristina
Semnătura șefului de disciplină Prof. univ. Dr. –habıl Ogodescu Alexandru		
Data avizării în departament	Semnătura directorului de departament Prof. univ. Dr. Todea Carmen	

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).

- <sup>6)</sup> Pentru specializările și/sau disciplinele a căror tematică se regăsește în bibliografia de rezidențiat, aceasta devine obligatorie.