

## 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 .....	Licență/sănătate <sup>1)</sup>
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	Șef lucr. Dr. Popa Mălina, dr. med, titular							
2.3 Titularul activităților de laborator	Prof. Univ. Dr. –habilitat Ogodescu Alexandru 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>IV</b>	2.5 Semestrul	<b>II</b>	2.6 Tipul de evaluare	<b>Examen</b>	2.7 Regimul disciplinei	Conținut <sup>3)</sup>	<b>DS</b>
							Obligativitate <sup>3)</sup>	<b>DI</b>

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

3.1 Număr de ore pe săptămână	8	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					27
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,					8
Alte activități					
<b>3.7 Total ore studiu individual</b>	<b>43</b>				
<b>3.8 Total ore pe semestru</b>	175				
<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	<ul style="list-style-type: none"> <li>Appropriate use of specific instruments;</li> <li>Knowledge and correct handling of dental materials.</li> </ul>

### 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> </ul>
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	<ul style="list-style-type: none"> <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 30% absences accepted.</li> </ul>
5.2 de desfășurare a seminarului/ laboratorului/ proiectului	<ul style="list-style-type: none"> <li>• Performing epidemiological analyzes and work safety training</li> <li>• Wearing specific work equipment</li> <li>• Own dental kit (turbine, counter piece, drills, materials, etc.)</li> <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 not being tolerated;</li> <li>• The students being late will not be tolerated, as it proves 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 examination dates for 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 dates for the semestrial practical verification and for the practical examination at the end of the academic year are established 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>• 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. Developing a medical vocabulary useful in medical practice.</li> <li>2. Knowledge of growth and development of the child and adolescent.</li> <li>3. Developing practical knowledge and skills on behavioral management of the child and adolescent.</li> <li>4. Knowledge of dental eruption and dynamics of occlusal relationship development.</li> <li>5. Knowledge of morphology, structure and function of primary and permanent teeth during growth.</li> <li>6. Developing the ability to perform a clinical observation file.</li> <li>7. Knowledge of materials used in pedodontics therapy.</li> <li>8. Description of symptomatology and modalities of odontal and endodontic treatment of primary and permanent teeth.</li> <li>9. Development of analytic and interpretation skills of complementary examinations in pedodontics.</li> </ol>
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<b>Competențe transversale</b>	<ol style="list-style-type: none"> <li>1. Identification of roles and responsibilities in a multidisciplinary team and developing 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 languages.</li> <li>3. Identification of the objectives to be achieved, of the available resources, of the conditions for their completion, of the work stages, of the working times, of the related implementation deadlines and of the related risks.</li> <li>4. Initiation of scientific research activities in the pathogenesis of various diseases and their connections with dental medicine and methodology of dissemination of scientific research results.</li> </ol>
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## 7. Obiectivele disciplinei (reieșind din competențele specifice acumulate)

7.1 Obiectivul general al disciplinei	The acquisition of preventive-curative treatments for the diseases of the dento-maxillary system, from birth to adolescence, following the theoretical and practical knowledge of the maneuvers that can be performed.
7.2 Obiectivele specifice	<p>Acquiring theoretical and practical knowledge for:</p> <ol style="list-style-type: none"> <li>1. Correlation of the patient's behavioral pattern with diagnosis and treatment plan;</li> <li>2. Undertaking specific methods for establishing an ideal relationship between physician, patient and parent;</li> <li>3. Clinical examination in pedodontics;</li> <li>4. Drawing up the clinical observation file specific to the child or adolescent patient;</li> <li>5. Complementary examinations in pedodontics;</li> <li>6. Restoration of primary teeth;</li> <li>7. Restoration of young permanent teeth;</li> <li>8. Elaboration of the treatment plan in inter- and trans-disciplinary treatments.</li> </ol>

## 8. Conținuturi

8.1 Curs	Metode de predare	Număr de ore	Observații
1. History of pedodontics	<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</li> </ul>	2	The optional bibliography for MD specialization is available for consultation at the Pedodontics Discipline, at the UMFVBT library reading room or on google books.
2. Psychological and behavioral examination of the child		2	
3. Growth and development of the child and adolescent		2	
4. Craniofacial growth and development		2	
5. Dental eruption and dynamic development of occlusal relationships		2	
6. Primary and permanent teeth during growth (morphology, structure, function)		2	

7. Clinical observation file in pedodontics	<p>well as questions from the material traveled.</p> <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	
8. Complementary examinations in pedodontics		2	
9. Management of anxiety and pain		2	
10. Materials used in pedodontics therapy		2	
11. Odontal treatment of young primary and permanent teeth		2	
12. Endodontic treatment of primary teeth		2	
13. Endodontic treatment of young permanent teeth		2	
14. Pathology of the permanent first molar		2	

#### **Required bibliography:**

1. Course Notes
2. Elisabeta Bratu, Florica Glăvan (coord.) – Practica Pedodontică, Ed. Orizonturi Universitare, Timișoara, 2005
3. Rodica Luca – Pedodonție, volumul 1 și volumul 2, Editura Cerma, București, 2003

#### **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.

8.2 Seminar/ Laborator /stagiu/ proiect	Metode de predare-învățare	Număr de ore	Observații
1. Correlation of the patient's behavioral pattern with diagnosis and treatment plan. Undertaking specific methods for establishing an ideal relationship between physician, patient and parent	<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 e-learning platform of the university.</li> <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 performed by the group assistant of the main therapeutic maneuvers.</li> </ul>	6	

2. Dynamics of dental eruption - analyzes on study casts and radiographs		6	
3. Individual morphology of primary teeth. Morphological particularities of primary teeth in relation to permanent teeth - analysis by study casts and radiographs		6	
4. Making a clinical observation file specific to the child or adolescent patient		6	
5. Clinical examination in pedodontics. Assessment of oro-dental status		6	
6. Complementary examinations in pedodontics. Examining the study cast		6	
7. Complementary examinations in pedodontics. Radiological, photographic and anthropological examination		6	
8. Restoration of primary teeth. Carrying out Early Childhood Caries treatment.		6	
9. Restoration of young permanent teeth.		6	
10. Treatment of pulp		6	

inflammation in primary teeth and its complications (pulpitis, pulp necrosis, gangrene, apical periodontitis)			
11. Treatment of primary teeth pulpopathy (pulpotomy, pulpectomy)		6	
12. Treatment of young permanent teeth pulpopathy (pulpotomy, pulpectomy, apexogenesis, apexification)		6	
13. Restoration of permanent molars with extensive lesions		6	
14. Elaboration of the treatment plan for the first permanent molar edentation (surgical, orthodontic therapy and prosthetic restoration possibilities)		6	

**Required Bibliography:**

1. Practical classes notes
2. Course notes
3. Elisabeta Bratu, Florica Glăvan (coord.) – Practica Pedodontică, Ed. Orizonturi Universitare, Timișoara, 2005
4. Rodica Luca – Pedodonție, volumul 1 și volumul 2, Editura Cerma, București, 2003

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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
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## 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 vicious habits, which he will later face in the clinic and 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 acquire in the remaining years of study, 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 sketch and standardize the content, as well as to choose the methods of teaching / learning, the discipline holders organized and participated in the didactic workshops at national conferences. Meetings addressed discussions with Pediatric Dentistry holders 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 within the VADA program ("Volunteering in academic development activities") and to work under the direct guidance of the teaching staff of the discipline and to actively participate 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, knowledge of odontal and endodontic pathology specific to the primary and permanent teeth, knowledge of treatment methods specific to each type of odontal and endodontic pathology, acquiring types and classification of dental materials used in</p>	<i>Final evaluation:</i> multiple choice test with 50 questions	50%

	pedodontics practice, knowledge of the methods used in the management of anxiety and pain.		
10.5 Laborator/Stagiu	<p><i>Knowledge for grade 5:</i> tuse of a suitable medical vocabulary, establishment of the dental age on the studied paraclinical investigations, identification of the specific pathology on the studied paraclinical investigations</p> <p><i>Knowledge for grade 10:</i> identification of the specific pathology and the underlying causes, elaboration of a complex treatment plan including the odontal and endodontic rehabilitation.</p>	<p><i>Continuous rating:</i> -2 checks during the semester, consisting of written tests of the material handed over to LP and theoretical course until the date of verification - activity at practical work</p> <p><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</p>	<p>10%</p> <p>40%</p>
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, as well as the odontal and endodontic pathology of primary and permanent teeth.			

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