DISCIPLINE FILE

1. Data about the programme

1.1.	**"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY**
1.2.	**FACULTY OF DENTISTRY**
1.3.	**DEPARTMENT: III**
1.4.	**DISCIPLINE: PEDODONTICS**
1.5.	**DOMAIN OF STUDY: HEALTH – Sectoral regulated within the European Union**
1.6.	**STUDY CYCLE: LICENCE**
1.7.	**STUDY PROGRAME: DENTAL MEDICINE (ENGLISH)**

2.2. Data about discipline

2.1.	**Name of the discipline in the educational plan: Pedodontics II**				
2.2.	**Discipline code:** MD05S03EN				
2.3.	**Discipline type (FD/SD/CD): SD**				
2.4.	**Discipline regimen (MD/OPD/): MD**				
2.5.	**The holder of the course activities** Assoc. Prof. Dr. Tănase Mihaela, Lecturer Dr. Farcașiu Cătălina, , Lecturer Dr. Munteanu Aneta, Lecturer Dr. Stanciu Ioana-Andreea,				
2.6.	**The holder of the seminar activities :** Assoc. Prof. Dr. Tănase Mihaela, Lecturer Dr. Farcașiu Cătălina, assistant professor Dr. Feraru Victor Ion, Lecturer Dr. Munteanu Aneta, Lecturer Dr. Stanciu Ioana-Andreea, assist.prof. Dr. Zmărăndache Daciana, assi.professor Dr.Adriana Apostol, assist. professor Dr.Simona Enache, assits. prof.dr.Mădalina Stancu				
2.7. Year of study	**V**	**2.8. Semester**	**IX**	**2.9. Type of evaluation (E/C)**	**E**

3. Total estimated time (hours/semester of didactic activity an self preparation/study

I. Academic training (teaching, practical application, assessment)						
3.1. Nr hours/week	**6**	**From which:**	**3.2. lecture**	**2**	**3.3. seminary/ laboratory**	**4**
3.4. Total hours of educational plan	**84**	**From which:**	**3.5. lecture**	**28**	**3.6. seminary/ laboratory**	**56**
Evaluation (nr. of hours) : 2						
II. Self preparation/study						
Time allocation						**hours**
Study of course materials, textbooks, books, study of the recommended minimal bibliography						30
Additional research in the library, research through the internet						10
Performing specific activities for preparing projects, laboratories, elaborating reviews or other tasks						10
Specific preparation activities for projects, laboratory work, assignments, and reports						10

Tutoring		3
Other activities		3
3.7. Total individual study hours		66
3.8. Total hours per semester (3.4.+ 3.7.)	150	
3.9. Number of credits	5	

4. Preconditions (where applicable)

4.1. of curriculum	Must possess: • Knowledge of the morphology and structure of teeth, dental arches, tooth-supporting structures (periodontium), and the oral mucosa • Theoretical and practical knowledge regarding developmental anomalies of teeth • Knowledge of the diagnosis and treatment of simple and complicated dental caries in children and adolescents
4.2. of competences	Must be familiar with: • The instruments, materials, and working techniques specific to paediatric dental treatments • Behavioural management techniques for child and adolescent patients

5. Conditions (where applicable)

5.1. to conduct the lecture	PowerPoint presentations, use of multimedia systems, and projector
5.2. to conduct the seminar / laboratory	Equipped with the necessary apparatus for conducting practical activities

6. Learning outcomes

Knowledge	Skills	Responsibility and autonomy
. The student/graduate acquires, describes, analyses, and evaluates specialized knowledge regarding the structures of the dento-maxillary system, the pathology of teeth, jaws, and oral cavity tissues, dental and dento-alveolar anomalies, congenital malformations, as well as the principles of diagnosis and treatment (prophylactic, preventive,	The student/graduate acquires and demonstrates specialized clinical experience under appropriate supervision. Throughout the course of study, they gradually and progressively perform the practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and aptitudes) specific to the profession of dentist.	The student/graduate integrates and applies specialized competencies necessary for prevention, diagnosis, and treatment activities regarding anomalies and conditions of the teeth, jaws, and associated tissues. They evaluate, analyse, differentiate, estimate, interpret, and use the information, knowledge, skills, and responsibilities accumulated throughout the years of study to obtain the competencies required to practice.

interceptive, and curative) specific to dentistry, using conventional or digital methods/techniques.		

7. Course objectives (aligned with the learning outcomes)

7.1. General objective	The student's knowledge of the specific aspects of the diagnosis and treatment of dento-periodontal trauma, developmental dental anomalies, oral mucosal and periodontal conditions in children and adolescents, and the complex pathology of the first permanent molar.
7.2. Specific objective	The student must be familiar with: • Methods of behavioral management for children and adolescents • The specific features of diagnosing traumatic, periapical, oral mucosal, and periodontal pathology, developmental dental anomalies, and the pathology of the first permanent molar in children and adolescents, including patients with special needs • Prophylactic and curative treatment methods for the above conditions

8. Contents

8.1. Lecture	**Teaching methods**	**Observations**
1. Dento-periodontal trauma in the primary dentition – epidemiology, classification, clinical forms, emergency and long-term treatment	PowerPoint / theoretical support	
2. Dento-periodontal trauma in immature permanent teeth – epidemiology, classification, clinical forms, emergency and long-term treatment		
3. Consequences of trauma to primary tooth on the successor permanent teeth. Complications of dento-periodontal trauma		
4. Developmental dental anomalies: etiopathogenesis, classification. Anomalies of teeth number, size: etiopathogenesis, classification, clinical forms, treatment		
5. Anomalies of teeth shape: etiopathogenesis, classification, clinical forms, treatment		
6. Non-progressive (cicatricial) structural dental anomalies: etiopathogenesis, classification, clinical forms, treatment		

7. Enamel progressive structural dental anomalies: etiopathogenesis, classification, clinical forms, treatment		
8. Dentine and cement progressive structural dental anomalies: etiopathogenesis, classification, clinical forms, treatment		
9. Dental discoloration anomalies (intrinsic staining): etiology, clinical forms, treatment. Extrinsic staining in children and adolescents – etiology, clinical forms, treatment		
10. Morphological and structural characteristics of the marginal periodontium during the primary and mixed dentition stages. Gingivitis in children and adolescents		
11. Prepubertal and juvenile periodontitis		
12. Infectious diseases of the oral mucosa in children and adolescents		
13. Non-infectious diseases of the oral mucosa in children and adolescents Infectious diseases of the oral mucosa in children and adolescents		
14. Complex pathology of the first permanent molar Dental management of children with special needs.		

Recent Bibliography:

1. Tănase Mihaela (coordonator). Manual de Pedodonție. Ed. Universitară „Carol Davila”, București, 2024.
2. Mihaela Tănase: Suport teoretic de curs
3. Ionescu Ecaterina (coordonator). Manual pentru rezidențiat. vol. II, capitolul 5. Editura Universitară „Carol Davila", București, 2021.

8.2. Laboratory/ practical lesson	**Teaching methods**	**Observations**
1. Diagnosis and treatment of crown fractures in primary teeth	● Oral presentation / lecture/power point ● Direct clinical examination of patients in the clinic ● Study model analysis ● Study of radiographs ● Practical demonstrations by carrying out preventive and curative clinical procedures specified in the syllabus	
2. Diagnosis and treatment of crown fractures in immature permanent teeth	● Direct clinical examination of patients in the clinic ● Study model analysis ● Study of radiographs ● Practical demonstrations by carrying out preventive and	
3. Diagnosis and treatment of root and crown-root fractures in primary teeth		
4. Diagnosis and treatment of root and crown-root fractures in immature permanent teeth		

5. Diagnosis and treatment of periodontal trauma in primary teeth	curative clinical procedures specified in the syllabus	
6. Diagnosis and treatment of periodontal trauma in immature permanent teeth		
7. Developmental dental anomalies of number and size		
8. Developmental dental anomalies of teeth shape		
9. Non-progressive (cicatricial) developmental structural dental anomalies		
10. Progressive developmental structural dental anomalies		
11. Periodontal disease in children and adolescents		
12. Oral mucosal disorders in children and adolescents		
13. Pathology of the first permanent molar		
14. Treatment plan – clinical case examples		

Recent bibliography:

1. Anca Maria Răducanu - Pedodonție – Îndrumar Practic, Ediția a VI-a revizuită și adăugită, Ed. Bren, București, 2023.
2. Mihaela Tănase: Suport teoretic de lucrări practice.

9. Evaluation

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage in the final grade
9.4. Lecture	**Requirements for Grade 5:** Elementary knowledge of the clinical stages involved in performing restorative dental procedures in children and adolescents. Responses must not contain any major/serious errors. **Requirements for Grade 10** In-depth knowledge of the clinical stages involved in performing restorative dental procedures in children and adolescents, demonstrating full coverage of all recommended reading. Correct responses to all questions.	**Final Theoretical Examination Written / Essay-based** • 3 individualized topics selected from the 3 main chapters of the syllabus, designed to evaluate the student's mastery and understanding of theoretical concepts as well as their clinical reasoning. **Mid-Term In-Course Test Written / Essay-based** • 3 topics covering the first half of the taught lecture material.	55% 15%

9.5. Seminary/ practical activity	**Requirements for Grade 5:** Basic knowledge of the clinical stages involved in carrying out operative dental treatments in children and adolescents. Answers must not contain major errors. **Requirements for Grade 10:** In-depth knowledge of the clinical stages involved in carrying out operative dental treatments in children and adolescents – thorough coverage of all recommended reading. Correct answers to all questions.	The clinical tutor will evaluate the student's conduct during placements (attendance, punctuality, clinical attire, theoretical preparation aligned with the clinical procedures being performed, as well as their attitude towards patients and auxiliary staff). Assessment of practical knowledge on patients and study models relevant to the cases covered. Formulation of a treatment plan.	15% 15%
9.5.1. Individual project (if applicable)	-	-	-
9.6. Minimum performance standard			
Basic knowledge of the clinical stages involved in carrying out preventive and curative treatments in children and adolescents			

Date of completion: **Signature of the course holder** **Signature of the laboratory holder**

Date of approval by the Department Council:
06.11.2026

Signature of the Department Director
Professor Ionescu Ecaterina, PhD