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 I**				
2.2.	**Discipline code: MD04S02EN**				
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, Dr. Munteanu Aneta, Dr. Stanciu Ioana				
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, assistant professor Dr. Zmărăndache Daciana, assistant professor Dr.Adriana Apostol, assistant professor Dr.Simona Enache,assista				
2.7. Year of study	**IV**	**2.8. Semester**	**8**	**2.9. Type of evaluation (E/C)**	**E**

3. Total estimated time (hours/semester of didactic activity and 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	- Knowledge of morphology and structure of teeth and dental arches - Basic knowledge related to dental caries - Knowledge of dental instruments used in prophylactic and curative treatment
4.2. of competences	To know: - materials used in pedodontics - child patient management.

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 accumulates, describes, analyzes and evaluates specialized knowledge regarding the structures of the dento-maxillary apparatus, the pathology of the teeth, jaws and oral cavity tissues, dental and dento-alveolar anomalies, congenital malformations, as well as the principles of diagnosis and treatment (prophylactic, preventive, interceptive and curative) specific to dentistry, through classical or digital methods/techniques.	The student/graduate acquires and demonstrates specialized clinical experience under appropriate supervision. gradually and gradually performs, during the years of study, practical and clinical tasks necessary to ensure the specific professional competencies (knowledge, skills and abilities) of the dental profession.	The student/graduate integrates and applies the specialized skills necessary for the prevention, diagnosis and treatment activities regarding anomalies and diseases of the teeth, jaws and related tissues. Evaluates, analyzes, differentiates, estimates, interprets and uses the information, knowledge, skills and responsibilities accumulated during the years of study, to obtain the skills necessary to practice the profession of dentist.

7. Course objectives (aligned with the learning outcomes)

7.1. General objective	The student needs know the particularities of the diagnosis and treatment of dental caries in children and adolescents
7.2. Specific objective	The student needs to know: - Methods of behavioural management of the child (fear, anxiety, phobia of the dental act) necessary for dental examination and treatment - Peculiarities of the diagnosis of simple caries, pulpitis, necrosis and pulpal gangrene in temporary and permanent immature teeth,

	- Methods of prophylactic treatment of dental caries in children and adolescents, treatment (operating times and working technique) of simple and complicated caries in temporary and permanent immature teeth

8. Contents

8.1. Lecture	**Teaching methods**	**Observations**
1. The objectives of Pedodontics - content, history, trends. Notions of odontogenesis and clinical implications	Power Point Theoretical support	2 hours
2. Dental eruption - stages, sequence of primary and permanent tooth eruption, pathology		2 hours
3. Chronology of dental development. Dental age		2 hours
4. Morphological and structural characteristics of primary teeth. Physiological root resorption .		2 hours
5. Etiology of dental caries-characteristics of primary teeth and young permanent teeth		2 hours
6. Caries of primary teeth - indices of appreciation of morbidity by caries, epidemiology, classification, clinical forms		2 hours
7. Early caries of primary teeth: epidemiology, etiology, clinical picture, diagnosis and treatment		2 hours
8. Uncomplicated caries in primary teeth-symptomatology, diagnosis, treatment		2 hours
9. Pulp inflammation in primary teeth - clinical forms, positive and differential diagnosis, evolution and treatment		2 hours
10. Pulp necrosis in primary teeth - clinical forms, complications, positive and differential diagnosis, evolution and treatment		2 hours
11. Principles and methods of prevention of dental caries in children and adolescents.		2 hours
12. Morphological and structural characteristics of young permanent teeth; caries in permanent teeth during the growing period - epidemiology; symptomatology, diagnosis, treatment.		2 hours
13. Pulp inflammation in young permanent teeth - clinical forms, symptomatology, positive and differential diagnosis, treatment (apexogenesis)		2 hours
14. Pulp necrosis in young permanent teeth clinical forms, symptomatology, positive and differential diagnosis, treatment (apexification , revascularization)		2 hours
Recent Bibliography: 1. Tănase Mihaela (editor). Manual de Pedodonție. Ed. Universitară „Carol Davila”, București, 2024. 2. Mihaela Tănase: Suport teoretic de curs 3.Ionescu Ecaterina (editor). Manual pentru rezidențiat, vol. II. Editura Universitară "Carol Davila"București,2021, cap.5.		
8.2. Laboratory/ practical lesson	**Teaching methods**	**Observations**

1. Dental instruments and materials, clinical examination and indices of oral hygiene and gingival bleeding	- oral presentation/ power point - direct clinical examination of patients, - model study, - study of radiography - practical demonstrations by performing the prophylactic and curative clinical manoeuvres provided in the curriculum	4 hours
2. Morphological and structural characteristics of primary and young permanent teeth; tooth recognition on models /X-ray; dental age.		4 hours
3. Diagnosis of uncomplicated caries – primary and young permanent teeth		4 hours
4. Psychological behavioral treatment in children; Prophylactic treatment in children and adolescents		4 hours
5. Treatment of uncomplicated caries-primary teeth		4 hours
6. Pulp inflammation diagnosis-primary teeth		4 hours
7. Pulp inflammation treatment -primary teeth		4 hours
9. Pulp necrosis diagnosis -primary teeth		4 hours
9. Pulp necrosis treatment - primary teeth		4 hours
10.Treatment of uncomplicated caries -young permanent teeth		4 hours
11.Diagnosis and characteristics of pulp treatment in young permanent teeth (apexogenesis)		4 hours
12.Diagnosis and characteristics of pulp necrosis treatment in young permanent teeth (apexogenesis, revascularization)		4 hours
13. Primary teeth extraction		4 hours
14. Treatment plan -for different clinical cases		4 hours
Recent bibliography 1.Anca Maria Răducanu -Pedodonție-Indrumar Practic, Ediția a VI-a revizuită și adăugită. Ed.BREN, București,2023. 2.Mihaela Tănase, colectivul disciplinei Pedodonție-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	Final theoretical exam	Written examination - 3 individualized topics from the 3 major chapters of the curriculum to evaluate the acquisition and understanding of the theoretical notions and the student's way of thinking. - knowledge for grade 5 - elementary knowledge of the clinical stages of dental treatments in children and adolescents. Answers should not contain serious errors. -knowledge for grade 10 - in-depth knowledge of the clinical stages of dental treatments in children and	55%

		adolescents - reading the entire recommended bibliography. Correct answers to all questions.	
	Mid-semester control examination	Control paper – written examination - 3 topics from the first half of the subject taught in the course.	15%
9.5. Seminary/ practical activity	Periodic check Seminar Attitude during clinical stage Control examination	The group assistant will appreciate the student's attitude during the internship (attendance, punctuality, attitude, technical training in accordance with the work phase, attitude towards patients, and support staff)	15%
	Periodic check Practical examination	Verification of practical knowledge on the patient and on study models significant for the studied case studies. Realization of the treatment plan.	15 %
9.5.1. Individual project (if applicable)	-	-	-
9.6. Minimum performance standard			
Basic knowledge of the clinical stages of dental treatments in children and adolescents.			

Date of completion:
20.07.2026

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