

DISCIPLINE FILE

1. DATA ABOUT THE STUDY PROGRAM

1.1 Institution of higher education	UNIVERSITY OF MEDICINE AND PHARMACY OF CRAIOVA
1.2 Faculty	Dental Medicine
1.3 Department	2
1.4 Study Domain	HEALTH
1.5 Study cycle	LICENCE
1.6 Study program/ Qualification	DENTAL MEDICINE

2. DATA ABOUT THE DISCIPLINE

2.1 DISCIPLINE NAME	PEDODONTICS						
2.2 Discipline code	MD 5104						
2.3 The holder of course activities	Bătăiosu Marilena						
2.4 The holder of seminar activities	Fiera Maglaviceanu Camelia						
2.5 Academic degree	Associate Professor / Lecturer						
2.6 Employment (base norm/associate)	Base norm/ Base norm						
2.7 Year of study	V	2.8 Semester	I	2.9 Course type (content) ²⁾	DS	2.10 Regime of discipline (compulsoriness) ³⁾	DI

3. TOTAL ESTIMATED TIME (teaching hours per semester)

3.1 Number of hours per week	6	3.2 from witch - course	2	3.3 seminary/laboratory	4
3.4 Total hours in curriculum	84	3.5 from witch - course	28	3.6 seminary/laboratory	56
3.7 Time found distribution (hours)					
Study by manual, course support, bibliography, and notes					25
Additional documentation in the library, specialized electronic platforms and on the field					15
Training seminars / labs, homework, reports, portfolios, and essays					14
Tutoring					
Examinations					4
Other activities... counselling, student circles					8
3.8 Total hours of individual study	66				
3.9 Total hours per semester	150				
3.10 Number of credits ⁹⁾	6				

4. PREREQUISITES (where appropriate)

4.1 curriculum	-
4.2 competency	-

5. CONDITIONS (where appropriate)

5.1 Of course deployment	The courseroom equipped with projection equipment
5.2 Of seminary/ lab deployment	Room specially for seminary

6. SPECIFIC COMPETENCES ACCRUED⁷⁾

PROFESSIONAL COMPETENCES	C1 - Identifying the disease state and establishing the correct diagnosis of the dental condition(s) C2 - Conservative therapy of odonto-periodontal structures C4 - Prosthetic restoration of the dental arches in the child patient C5 - Identification of diagnostic and developmental particularities and examination of the child patient with surgical conditions in the oro-maxillo-facial zone
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TRANSVERSAL COMPETENCES	C6 - Autonomy and responsibility: <ul style="list-style-type: none"> to learn to establish a diagnosis and an appropriate treatment plan in a clinical case presented at the dental office of a child patient to learn to recognize a problem related to the oro-dental pathology of the child patient when it arises and to offer responsible solutions to solve it
	C7 - Social interaction: <ul style="list-style-type: none"> to explain to the patient or relative, at his level of understanding, the diagnosis of certainty, as well as the treatment plan proposed in the respective clinical case to work in a team together with the nurse and other dental or general medicine specialists to establish an oro-dental diagnosis and correct treatment plan for the child to communicate orally and in writing the requirements, the way of working, the results obtained, to consult with the team
	C8 - Personal and professional development: <ul style="list-style-type: none"> to be open to lifelong learning have the ability to collect the necessary scientific information related to the pathology of young temporary and permanent teeth from different documentary sources to know how to use information and communication technology

7. DISCIPLINE OBJECTIVES (based on the grid of specific competences acquired)

7.1 The general objective of the discipline	<ul style="list-style-type: none"> To acquire theoretical and practical knowledge on clinical examination and diagnosis of traumas, dental anomalies and oral soft tissue disorders in the child patient. To acquire theoretical and practical knowledge on the treatment of traumas, dental anomalies and oral soft tissue disorders in the child patient.
7.2 The specific objectives of the discipline	<p>The student(s) will be able to:</p> <ul style="list-style-type: none"> to establish a diagnosis and to treat a dental and dental-alveolar trauma of temporary and permanent teeth. to establish a diagnosis of dental anomaly (of volume, shape, number, structure). to recognize and describe the main diseases of marginal periodontitis in children and adolescents. to provide data on the techniques used in surgery, prosthetics and interceptive orthodontics of pedodontic practice. to know the ways of administration and the posology of the drugs indicated in the pedodontics practice. <p>At the end of the discipline the student(s) will be able to:</p> <p>Theoretical knowledge</p> <p>At the end of the course the student will be able to:</p> <ul style="list-style-type: none"> describe the symptomatology and treatment modalities in dental trauma from temporary dentition; describe the symptomatology and treatment modalities in dental traumas from permanent dentition; describe etiopathogenesis and clinical abnormalities of number, shape and volume; describe etiopathogenesis and clinical dysplasia, hereditary and acquired dysplasia of dental discoloration, describe the clinical forms of gingivitis encountered in pedodontic practice; describe the clinical forms of periodontitis encountered in pedodontics practice; know the prophylaxis and treatment of periodontal diseases with particularities in children and adolescents; recognize and describe oral injuries encountered in pedodontics practice; know the indications and contraindications and technique of temporary teeth extraction; know the indications and contraindications and technique of permanent teeth extraction in children; describe surgical methods for conservative therapy; describe the modalities of restoration of coronary lesions by unidirectional prostheses in children and adolescents; know the indications and contraindications of prosthetic treatment methods of edentations in pedodontic practice; know how to administer and the posology of drugs indicated in pedodontics practice;

- know about the frequency of malocclusions and vicious habits in children;
- know the consequences of early loss on the arcade of the first permanent molar.

Skills acquired:

At the **end of the course** the student must have the following technical skills:

- a. to obtain clinical information
 - to correctly and completely accomplish the child's anamnesis;
 - to apply the patient's extraoral and intraoral examination techniques and to record the results in writing;
 - to specify the necessary complementary paraclinical examinations and to interpret them.
- b. to establish the diagnosis and developing the treatment plan
 - to achieve efficient management of medical information;
 - to identify the significant aspects of the clinical examination of the child patient in establishing the diagnosis;
 - to prepare the treatment plan for dental traumas in temporary dentition;
 - to elaborate the treatment plan for dental traumas from permanent dentition;
 - to elaborate the treatment plan in number, volume and form abnormalities, hereditary dysplasia, acquired dysplasia, and dental disharmony;
 - to develop a treatment plan for the prophylaxis and treatment of periodontal diseases with particularities in children and adolescents;
 - to carry out a plan of prosthetic treatment of edentations in pedodontics practice;
 - to develop the emergency treatment plan for the child patient.
- c. to establish treatment
 - to explain to the patient and eventually to the patient's parent the need to institute treatment in the various oral conditions encountered in the child and adolescent (traumas, dental anomalies, periodontal diseases, dental emergencies);
 - to explain to the patient and eventually to the child patient the principles, stages and techniques of achieving the treatment in the various oral conditions encountered in the child and adolescent (traumas, dental anomalies, periodontal diseases, dental emergencies);
 - to respect and perform correctly all stages and techniques of treatment in the various oral conditions encountered in the child and adolescent (traumas, dental anomalies, periodontal diseases, dental emergencies);
- d. to establish a program for dispensing the child patient and educating him about oral nutrition and hygiene.

Communication skills

At the **end of the course** the student must have the following communication skills:

- a. professional behavior
 - to prove a professional attitude towards the patient and the working team;
 - to coordinate the activity in the dental office by collaborating with the nurse;
 - to establish and maintain a climate of danger-free work;
 - to know the importance of continuing medical education to develop professional skills based on current scientific data.
- b. ethical behavior and jurisprudence
 - to apply ethical principles related to dental practice;
 - to respect patients' rights;
 - to recognize the signs of abuse or ill-treatment of patients and to inform the competent legal courts;
 - to give priority to those treatment options that meet the individual needs of the patient;
 - to respect patients and colleagues without discrimination;
 - it meets legal, judicial, administrative and behavioral procedures in the practice of dental medicine.
- c. ability to communicate and interreact
 - to acquire and use the medical vocabulary correctly;
 - to communicate with the patient and his/her relatives;
 - to identify sociological and cultural factors that cause dental malformation or disfunction;

	<ul style="list-style-type: none"> ○ to interact with doctors of other specialties; ○ to maintain a stress-free constructive work environment.
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8. CONTENTS

8.1 COURSE (units)	No. of hours
1. Management of Anxiety and Pain in Pedodontics	2
2. Dental and dental-alveolar trauma in temporary dentition	2
3. Dental and dental-alveolar traumas in permanent dentition	2
4. Dental anomalies of structure	2
5. Dental abnormalities of number, volume, shape	2
6. Oral pathology in children and adolescents	2
7. Marginal periodontal disease in children and adolescents	2
8. Ordinary procedures of oro-dental surgery in children and adolescents	2
9. Emergencies in Pedodontics	2
10. Prosthetic treatment in children and adolescents	2
11. Interceptive orthodontic therapy	2
12. Medication in Pedodontics	2
13. Pathology and management of the permanent primary molar	2
14. Management of the child patient with disabilities	2
TOTAL	28
REFERENCES	
<ol style="list-style-type: none"> 1. Bătăiosu Marilena – <i>Pedodontics</i>, course, vol.I, 2nd edition, Ed. Universitaria, Craiova, 2019. 2. Bătăiosu Marilena – <i>Pedodontics</i>, course, vol.II, Ed. Universitaria, Craiova, 2016. 3. Koch S, Poulssen S - <i>Pediatric dentistry - A clinical approach</i>. Ed. Willy Blackwell, 3rd edition, 2017. 4. McDonald R.E., Avery D.R. - <i>Dentistry for Child and Adolescent</i>. Ed Mosby 2015, 10th edition. 5. Nowak AJ - <i>Pediatric dentistry: Infancy through adolescence</i>, Ed. Saunders, 2019, 6th edition 	
8.2 PRACTICAL WORKS (topics/themes)	
1. Analysis of study models in mixed dentition: dental morphology, dental age, with the completion of a pedodontic file, establishing the pedodontic diagnosis and developing a treatment plan	8
2. Analysis of bitewing, retroalveolar, OPG and/or CBCT radiographs with mixed dentition: dental morphology, dental age, with completion of a pedodontic record, establishment of pedodontic diagnosis and development of a treatment plan	8
3. Management of dental trauma in temporary and immature permanent teeth	8
4. Management of dental anomalies of number, volume, shape, structure	4
5. Oral pathology in children and adolescents. Affections of the marginal periodontium in children and adolescents.	4
6. Management of dental emergencies in pedodontics	8
7. Pedodontic-surgical treatment in children and adolescents	4

8. Pedodontic-prosthetic treatment in children and adolescents	8
9. Summary internship: analysis of study models, analysis of radiographs, presentations of clinical cases, completion of pedodontic form/Evaluation	4
TOTAL	56
REFERENCES	
<ol style="list-style-type: none"> 1. Bătăiosu Marilena – <i>Pedodontics</i>, course, vol.I, 2nd edition, Ed. Universitaria, Craiova, 2019. 2. Bătăiosu Marilena – <i>Pedodontics</i>, course, vol.II, Ed. Universitaria, Craiova, 2016. 3. Koch S, Poulssen S - <i>Pediatric dentistry - A clinical approach</i>. Ed. Willy Blackwell, 3rd edition, 2017. 4. McDonald R.E., Avery D.R. - <i>Dentistry for Child and Adolescent</i>. Ed Mosby 2015, 10th edition. 5. Nowak AJ - <i>Pediatric dentistry: Infancy through adolescence</i>, Ed. Saunders, 2019, 6th edition 	

9. CORROBORATING THE DISCIPLINE CONTENT WITH THE EXPECTATIONS OF EPISTEMIC COMMUNITY REPRESENTATIVES, PROFESSIONAL ASSOCIATIONS AND EMPLOYEE REPRESENTATIVES RELATING TO THIS PROGRAM

<ul style="list-style-type: none"> • The discipline of Pedodontics is a specialized discipline, mandatory for a student to become a dentist • The knowledge, practical skills and attitudes learned in this discipline provide the working basis for medical reasoning and constitute the foundation for knowing the therapeutic options available to the dentist to solve the dental problems of children and adolescents
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10. METHODOLOGICAL LANDMARKS

Types of activity	Teaching Techniques / learning materials and resources: exposition, interactive course, group work, learning through problems/projects, etc. In case of the occurrence of special situations (states of alert, states of emergency, other types of situations that limit the physical presence of people) the activity can also be carried out online using IT platforms approved by the Faculty/University (e.g. Webex meeting).
Course	The support of the course is done through teaching and interaction with the student, aiming to maintain a balance between the needs imposed by the subject addressed and the real needs of the student. The following combined methods are used: current exposure, examining conversation, demonstration with audio-visual means (diagrams, drawings, images).
Practical work	The clinical internships include a first part in which a synthetic review of the theoretical elements is made, so as to ensure the premises of the practical work. The internship takes place interactively, following the student's interest in solving given problems. - explanation, debate, presentation and discussion of clinical problem cases, demonstration, - practical application, team activity: analysis of models/radiographs with temporary/mixed dentition, with completion of at least one pedodontic file - the execution of at least 3 therapeutic exercises from the subject of practical works - during the internships carried out at the headquarters of the discipline.
Individual study	Before each course and each practical work

11. RECOVERY PROGRAM					
Absences recoveries	No. absences that can recover	Place of deployment	Period	In charge	Scheduling of topics
	3	Discipline	The last 2 weeks	The holder of the discipline	According to the discipline schedule
Schedule consultations / Students' Scientific Circle	2 h/week	Discipline	Weekly	The holder of the discipline	According to the discipline schedule
Program for students poorly trained	4 h/semester	Discipline	At the end of each chapter	The holder of the discipline	In relation to the difficulty of the assignments revealed by the evaluation results

12. ASSESMENT			
Form of activity	Form of evaluation	Methods of evaluation	Percentage of final grade
Course	Formative assessment by survey during the semester Summative during the exam	Written exam	30%
Practical works	Formative assessment by survey during the semester Periodical during semester,Summative during the exam	Oral exam	50%
Periodical evaluations		Written test after course no.7	10%
Evaluation of individual activity		10%	
Minimal standard of performance		minimum 50% in each component of the evaluation	
13. GUIDANCE AND COUNSELLING PROGRAMS			
Professional guidance and counselling programs (2 hours/monthly)			
Scheduling the hours		Place	In charge
Last FRIDAY of each month		CEM OFFICE	Assoc. Prof. Dr. Bataiosu Marilena Dr. Cristina Pirlog

Endorsement date in the department: 22.09.2022

Department Director,

**Prof. Univ. Abilit Dr. Țuculină
Mihaela Jana**

Coordinator of study program,

**Associate Professor. Dr. Adrian
Camen**

Discipline holder,

**Associate Professor Dr. Marilena
Bătăiosu**