

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 ¹	LICENSE
1.6 Study program/Qualification	DENTAL MEDICINE

2. DATA ABOUT THE DISCIPLINE

2.1. Discipline name	PEDODONTICS						
2.2. Discipline code	MD 4214						
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	IV	2.8. Semester	II	2.9. Discipline 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	5	3.2 from which: course	2	3.3 seminary/laboratory	3
3.4 Total hours in curriculum	70	3.5 from which: course	28	3.6 seminary/laboratory	42
Time fund distribution (hours)					
Study by manual, course support, bibliography, and notes					23
Additional documentation in the library, specialized electronic platforms, and on the field					20
Training seminars / labs, homework, reports, portfolios, and essays					20
Tutoring					2
Examination					4
Other activities... counselling, student circles					11
3.7 Total hours of individual study	80				
3.9 Total hours per semester	150				
3.10 Number of credits ⁴⁾	6				

4. PREREQUISITES (where appropriate)

4.1 curriculum	
4.2 competency	

5. CONDITIONS (where appropriate)

5.1. of course deployment	- The classroom is equipped with design tools
5.2. of seminary/lab deployment	- Practical work room

6. SPECIFIC COMPETENCES ACQUIRED^{6/7)}

PROFESSIONAL COMPETENCES	C1 - Identifying the disease state and establishing the correct diagnosis of the dental condition(s). C2 - Conservative therapy of odonto-periodontal structures
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TRANSVERSAL COMPETENCES	<p>. C6. Autonomy and responsibility</p> <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 to know the treatment methods in simple and complicated caries of temporary and young permanent teeth to learn to recognize a problem related to the pathology of temporary and/or young permanent teeth when arising and to offer responsible solutions to solve it. <p>C7. Social Interaction</p> <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 a correct treatment plan for the child to communicate requirements orally and in writing, working methods, obtained results, consult with the team; <p>C8. Personal and professional development</p> <ul style="list-style-type: none"> to be open to lifelong learning, to have the ability to collect the necessary scientific information related to the pathology of temporary and young 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	<p>To acquire theoretical and practical knowledge regarding the clinical examination, diagnosis and dental treatment of the child patient.</p> <p>To acquire fundamental notions about the morphological and structural particularities of temporary and young permanent teeth.</p>
7.2 Specific objectives	<p>To present the main morphological characteristics of temporary teeth.</p> <p>To provide data on dental eruption: sequence and chronology of eruption, factors influencing eruption.</p> <p>It will prepare the student in order to recognize the main affections of temporary and permanent teeth during the growth period.</p> <p>It will provide data on the concepts and techniques used to solve dental conditions in children, which are different from those in adults, highlighting these differences.</p> <p>Upon completion of the discipline, the student will be able to learn</p> <p>Theoretical knowledge</p> <p>Upon completion of the course the student will be able to:</p> <ul style="list-style-type: none"> - establish a diagnosis of simple dental caries in temporary teeth based on the characteristic signs; - know the treatment stages of simple dental caries with the particularities for temporary teeth; - establish a diagnosis of pulpitis in a temporary tooth based on subjective and clinical signs; - know the treatment methods for pulp inflammation of temporary teeth: indirect dressing, pulpotomy, pulpectomy; - know the complications of pulp gangrene regarding temporary teeth; - know how to apply the different treatment methods of dental gangrene: conservative treatment, extraction, compromise measures; - know the treatment stages of young permanent teeth simple dental caries; - establish a diagnosis of pulpitis in immature permanent teeth based on their symptoms; - establish a diagnosis of pulp gangrene in immature permanent teeth based on their symptoms; - know the different treatment methods indicated in pulp gangrene of young permanent teeth; - know temporary molars complex restoration techniques and possibilities. <p>Acquired skills</p> <p>Upon completion of the course, the student must have the following technical skills:</p> <ul style="list-style-type: none"> a. obtaining clinical information <ul style="list-style-type: none"> - to complete the child patient's anamnesis correctly and

	<p>completely;</p> <ul style="list-style-type: none"> - to apply the techniques of extraoral and intraoral examination of the patient and record the results in writing; - to specify the necessary complementary paraclinical examination and interpret them. <p>b. establishing the diagnosis and developing the treatment plan</p> <ul style="list-style-type: none"> - to achieve an efficient management of medical information; - to identify the significant aspects of the child patient clinical examination in establishing the diagnosis; - to develop the treatment plan for simple and complicated dental caries of temporary teeth; - to develop the treatment plan for simple and complicated dental caries of permanent teeth. <p>c. institution of treatment</p> <ul style="list-style-type: none"> - to explain to the patient and possibly the companion of the child patient the necessity of instituting the treatment of simple and complicated dental caries of temporary teeth, as well as the principles, stages and techniques of carrying out the treatment of simple and complicated dental caries of temporary teeth; - to respect and correctly execute all the stages and techniques of the treatment of simple and complicated dental caries of temporary teeth; - to explain to the patient and possibly the companion of the child patient the need to institute the treatment of simple and complicated dental caries of permanent teeth; - to explain to the patient and possibly the child patient's companion the principles, stages and techniques of carrying out the treatment of simple and complicated dental caries of permanent teeth; - to respect and correctly execute all the stages and techniques of the treatment of simple and complicated dental caries of permanent teeth. <p>d. to establish a program for the dispensary of the child patient and for his education in terms of nutrition and oral hygiene.</p> <p>Communication skills.</p> <p>Upon completion of the course, the student must have the following communication skills</p> <p>a. professional conduct</p> <ul style="list-style-type: none"> - to demonstrate a professional attitude towards the patient and the work team; - to coordinate the activity in the dental office by collaborating with the nurse; - to establish and maintain a work environment free of hazards; - to know the importance of continuous medical education in order to develop his professional capacities based on current scientific data. <p>b. ethical conduct and jurisprudence</p> <ul style="list-style-type: none"> - to apply the ethical principles related to dental medical practice; - to respect patients' rights; - to recognize the signs of abuse or mistreatment of patients and to inform the competent legal authorities; - to give priority to those treatment options that meet the individual needs of the patient; - to respect patients and colleagues without discrimination; - to comply with administrative legal procedures and conduct directions in the dental medicine practice. <p>c. ability to communicate and relate</p> <ul style="list-style-type: none"> - to correctly acquire and use medical vocabulary; - to communicate with the patient and his relatives; - to identify the sociological and cultural factors that cause dental disease or dysfunction; - to interrelate with doctors of other specialties; - to maintain a constructive, stress-free working atmosphere.
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8. CONTENTS

8.1 Course (content units)	Nr. ore
1. Introduction into the study of pedodontics. Historic.	1
2. Clinical examination of the patient in pedodontics	2
3. Development of the dental organ	2
4. Dental eruption	2
5. Etiopathogenesis of dental caries with particularities in temporary and young permanent teeth	1
6. Diagnosis of simple caries of temporary teeth	2
7. Treatment of simple dental caries in temporary teeth	2
6. Diagnosis of pulp inflammation in temporary teeth	2
7. Treatment of pulp inflammation in temporary teeth	2
8. Diagnosis of pulpal gangrene of temporary teeth	2
9. Treatment of pulp gangrene in temporary teeth	2
10. Clinic and therapy of simple caries of permanent teeth during the growth period	2
11. Clinic and treatment of pulp inflammation of permanent teeth during the growth period	2
12. Clinic and treatment of pulpal gangrene of young permanent teeth	2
13. Dental restoration in pediatric practice	2
TOTAL	28
BIBLIOGRAPHY	
1. Bătăiosu Marilena – <i>Pedodontics</i> , course, vol. I, 2nd edition, Universitaria Ed., Craiova, 2019.	
2. Fuks AB, Pertz B - <i>Pediatric endodontics. Current concepts in pulp therapy for primary and young permanent teeth</i> . Ed. Spring International Publishing, 1st edition, 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 Arthur J - <i>Pediatric dentistry: Infancy through adolescence</i> , Ed. Saunders, 2019, 6th edition.	
8.2 Practical work (subjects/assignments)	
1. Pedodontic observation sheet. The importance of anamnesis, hereditary and maternal antecedents. Examination of the child patient: exooral and endooral. Traditional and modern supplementary exam indications. Developing a treatment plan.	6
2. Analysis of morphology and dental eruption in mixed dentition on study models.	6
3. Simple dental caries of temporary teeth.	12
4. Complicated dental caries of temporary teeth.	6
5. Simple and complicated dental caries of permanent teeth during the growth period.	6
6. Dental restoration in pedodontic practice	6
TOTAL	42
BIBLIOGRAPHY	
1. Bătăiosu Marilena – <i>Pedodontics</i> , course, vol. I, 2nd edition, Universitaria Ed., Craiova, 2019.	
2. Fuks AB, Pertz B - <i>Pediatric endodontics. Current concepts in pulp therapy for primary and young permanent teeth</i> . Ed. Spring International Publishing, 1st edition, 2016	
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9. CORROBORATING THE DISCIPLINE CONTENTS 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 for solving the dental problems of children and adolescents patients.

10. METHODOLOGICAL LANDMARKS

Types of activity	<p>Teaching/learning techniques, materials, resources: exposition, interactive course, group work, learning through problems/projects, etc.</p> <p>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).</p>
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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 addressed subject 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).
Clinical internship	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. - the explanation, the debate, the presentation and the discussion of some problematic clinical cases, the demonstration - practical application, teamwork: analysis of models with temporary/mixed dentition and completion of the pedodontic clinical observation sheet - the execution of at least 3 therapeutic exercises from the subject of practical works - during the internships carried out at the discipline headquarters
Individual study	Before each course and each practical work

11. RECOVERY PROGRAM

Absences recoveries	No. absences that can be recovered	Place of deployment	Period	In charge	Scheduling of topics
	3	Discipline headquarters	The last two weeks	Discipline holder	Depending on the subject of the clinical internships and the requests of the students
Consultation program/ student scientific circle	2hours/week	Discipline headquarters	Weekly	Discipline holder	In relation to the students' requests Themes proposed at the beginning of each semester are followed.
Program for poorly prepared students	4hours/ semester	Discipline headquarters	Consultations at the end of each chapter	Discipline holder	In relation to the difficulty of the assignments revealed by the evaluation results

12. ASSESMENT

Form of activity	Forms of assessment	Assessment methods	Weight of the final grade
Course	Formative assessment by survey during the semester Summative during the exam	Written exam	30%
Practical work	Formative by survey during the semester Periodically during the semester, Summative during the exam	Oral exam	50%
Periodical checks		Written test after course 7	10%
Evaluation of individual activity			10%
Minimum performance standard			minimum 50% in each component of the assessment

13. GUIDANCE AND PROFESSIONAL COUNSELING PROGRAMS

Guidance and professional counseling programs (2 hours/month)

Scheduling hours	Place of deployment	Responsible
Last Friday of every month	CEM headquarters	Assoc. Prof. Dr. Bataiosu Marilena, Dr. Cristina Pîrlog

Date of approval in the department: 22.09.2022

Department manager,
Prof. Univ Abilit Dr. Țuculină Mihaela
Jana

Study program coordinator,
Assoc. Prof. Dr. Adrian Camen

Responsible for discipline,
Assoc. Prof. Dr. Marilena Bătăiosu

Note:

- 1) Study cycle - choose one of the options: L (bachelor's degree)/ M (master's)/ D (doctorate).
- 2) Type (content) - choose one of the options:
 - for the degree level: DF (fundamental discipline)/ DD (field discipline)/ DS (specialty discipline)/ DC (complementary discipline);
 - for the master level: DA (in-depth discipline)/ DS (synthesis discipline)/ DCA (advanced knowledge discipline).
- 3) Discipline regime (compulsory) - choose one of the variants: DI (compulsory discipline)/ DO (optional discipline)/ DFac (facultative discipline).
- 4) One credit is equivalent to 25-30 hours of study (didactic activities and individual study).
- 5) A bonus may be granted for attendance.
- 6) From the 5 professional skills (those that appear in the transcript) choose the ones in which the discipline falls.
- 7) There are 3 transversal skills and they are marked from C6 - C8: C6. Autonomy and responsibility; C7. Social interaction; C8. Personal and professional development.