„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Endodontics**					
Didactic function, name and surname of the course holder	**Lecturer PhD Cosac Dana**					
Didactic function, name and surname of the laboratory holder	**Lecturer PhD Cosac Dana**					
The discipline code	**DM 5.9.1**	The formative category of the discipline		**SD**		
Academic year	**V**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**8**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**8**	Of which course hours	**2**	seminary / laboratory / clinical internship	**6**
Total hours of the curriculum	**112**	Of which course hours	**28**	seminary / laboratory / clinical internship	**84**
		Total hours per semester	**200**		

Distribution of Time	**88 hours**
1. Deciphering and studying course notes	12
2. Study after textbook, course support	10
3. Study of the indicated minimum bibliography	8
4. Additional documentation in the library	8
5. Specific training activity seminar and / or laboratory	14
6. Achievement homework, reports, essay, translations etc	10
7. Preparation of control papers	6
8. Preparation of oral presentations	2
9. Preparation of final exam	8
10. Consultations	2
11. Documentation on the field	2
12. Documentation on the Internet	2

13. Tutoriing	2
14. Examinations	2
15. Other activities	

The name of the course	**Endodontics**		
Professional competences specific to the discipline	Acquisition of theoretical knowledge on the stages of endodontic treatment, endodontic instruments, root anatomy and symptoms of pulpal diseases. Knowledge of the indications, contraindications, advantages and disadvantages of endodontic treatment on vital teeth. Acquiring practical knowledge about endodontic treatments on vital teeth. Acquiring, through the exercise, the manuality necessary for the correct realization from the operative point of view of the above mentioned treatments.		
Transversal competencies	Rigorous theoretical documentation of root anatomy and pulp organ physiology, establishing a correct diagnosis based on clinical and paraclinical signs. Detailed knowledge of endodontic instruments with indications and contraindications, of endodontic treatment techniques on vital and devital teeth. Achieving the performance characteristic of modern standards in achieving a correct and lasting treatment in the endocanalicular system. Students will understand that achieving the right treatment requires thorough knowledge and a varied practice.		
The general objective of the discipline	Prepare the patient's clinical observation sheet. Accumulation of theoretical and practical data on endodontic treatment on vital and devital teeth		
The specific objective of the discipline	Acquiring the practical notions regarding the realization of endodontic treatments. A thorough understanding of the functionality of the pulpal organ and the vitality of the tooth and the implications of losing it. Correlation of the phases of endodontic treatment with the morphofunctional restoration of the entire dentomaxillary apparatus in the context of the general condition of the patient. Acquiring the necessary manual skills to perform treatment techniques.		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
Pulp necrosis	2

Apical periodontitis – sympthomatic and asympthomatic	2
Treatment in apical periodontitis – non surgical and surgical	2
Intra canal medication	2
Endodontic retreatment	4
Procedural accidents	2
Restoration of endodontically treated teeth	2
Resorbtions	2
Endo-perio lesions management	2
Surgical treatment in endodontics	2
Future directions in endodontics	2
Bleaching of discolored teeth	2
Amputation, replantation and transplantation	2
Seminary / Laboratory / Clinical Trainee content - Analytical Syllabus	**No. hours**
Diagnosis of pulp necrosis	4
Rotary endodontic instruments	4
Rotary mechanical instrumentation	12
Methods of treatment in symptomatic and asymptomatic apical periodontitis	8
Endodontic retreatment	10
Procedural errors in root canal instrumentation	8
Restorations of endodontically treated teeth	8
Study of radiographs of endodontically treated teeth	8
Traumatic tooh injuries	4
Surgical treatment in endodontics	2
Management of traumatized teeth	6
Interpretation of CBCT in endodontics	6
Practical exam	4

Minimal bibliography

1. Course support 2025-2026 (PPTX format)
2. Endodontics, Arnaldo Castellucci, 1st edition, Vol. I, II, 2022
3. Endodontics Principles and practice 6th edition, M. Torabinejad, 2020
4. Cohen's Pathways of the Pulp, 12th Edition – Louis Berman, Kenneth Hargreaves, 2020
5. Ingle Endodontics 7th Edition, Ilan Rotstein, John I. Ingle, 2019

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

1. Deepening the theoretical knowledge and its practical application. The notions taught in this discipline are the basis of the activity as a dentist and part of that of an endodontist.
2. The future practical activity of the dentist includes craftsmanship, in-depth knowledge in the medical field and specific to dentistry, which is perfected in the practical works of the discipline Endodontics
3. Professionalism is based on a permanent information, updated according to the specialized literature, active participation in research in the field of endodontics or participation in scientific manifestations of dentistry.

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Laptop, video projector. Multimedia - Power Point presentation of the basics accompanied by iconography. Interactive course. Answers to student questions.

Laboratory	The current endodontic instruments and endodontic treatment techniques will be presented, demonstrations will be performed on extracted teeth and on endoblocks on mechanical preparation techniques, students will make the proposed scale, case presentations will be made, interpretations of dental radiographs and will be presented. and evaluate projects and topics addressed in the field of endodontics.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
• 5 mono and pluriradicular teeth complete treatment (preparation and filling) and imaging • 2 fitting dam-colleague / patient • 4 endodontic retreatments (extracted teeth / patient) • Complete patient file / serial imaging In order for the student to acquire the minimum level of competences specific to the discipline, we consider necessary the interactive participation in the practical works, the promotion of the control work, the promotion of the practical exam and the solving of the basic grid tests in the final exam.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**85%**
- the final answer at the practical exam at laboratory	**5%**
- periodic testing by control papers	**5%**
- continuing testing during the semester	**5%**
- activiry like homework / reports / essay / translation / projects etc.	**0 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E:
The practical exam consists of an oral examination of the acquired knowledge, in groups. At least 3 students participate in the examination, the holder of the discipline and the holder of the practical works. The final exam consists of grid testing and open questions.

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• The presence of the student at least 80% practical works with the restoration of all absences. • Supporting the control work and obtaining at least grade 5. (the control work is repeated). • Obtaining a grade of 5 in the practical exam. • Minimum answers (note 5) to the grid test	• Grade over 9 for the control paper during the semester. • Grade over 9 in the practical exam. • Grade over 9 on the final test.

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Lecturer PhD Cosac Dana

Laboratory holder,
Lecturer PhD Cosac Dana

Date of approval in the Department
17.09.2025

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Oral-Maxillo-Facial Surgery II**					
Didactic function, name and surname of the course holder	**Prof. PhD Căruntu Ana**					
Didactic function, name and surname of the laboratory holder	**Prof. PhD Căruntu Ana**					
The discipline code	**DM 5.9.2**	The formative category of the discipline		**SD**		
Academic year	**V**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**10**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**10**	Of which course hours	**2**	seminary / laboratory / clinical internship	**8**
Total hours of the curriculum	**140**	Of which course hours	**28**	seminary / laboratory / clinical internship	**112**
		Total hours per semester	**250**		

Distribution of Time	**110 hours**
1. Deciphering and studying course notes	15
2. Study after textbook, course support	10
3. Study of the indicated minimum bibliography	15
4. Additional documentation in the library	10
5. Specific training activity seminar and / or laboratory	15
6. Achievement homework, reports, essay, translations etc	
7. Preparation of control papers	10
8. Preparation of oral presentations	10
9. Preparation of final exam	10
10. Consultations	15
11. Documentation on the field	
12. Documentation on the Internet	

13. Tutoriing	
14. Examinations	
15. Other activities	

The name of the course	**Oral-Maxillo-Facial Surgery II**		
Professional competences specific to the discipline	Knowledge of the surgical anatomy, embriology and physiology of the head and neck. Knowledge of pathogeny, clinical and paraclinical aspect, diagnosis and principles of treatment in OMF pathology Ability to conduct a complete clinical examination in OMF area		
Transversal competencies	Development of an interdisciplinary communication ability and understanding of the role of the dentist in prevention and accurate risk assessment of the patients		
The general objective of the discipline	Knowledge of specific OMF pathology and the principles of surgical treatment.		
The specific objective of the discipline	Ethiopathogeny and clinical aspects in OMF pathology Paraclinical assessment tools in OMF pathology Treatment protocols in OMF pathology		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1. Introduction in OMF pathology: principles of clinical paraclinical assessment	2
2. Maxillary sinus pathology	2
3. OMF trauma: soft tissue trauma and mandibular fractures	2
4. OMF trauma: midface and orbital fractures	2
5. OMF infections: clinical aspects	2
6. OMF infections: principles of therapy	2
7. Medication indused osteonecrosis of the jaws	2
8. Soft tissue cysts and benign tumors	2
9. OMF bony cysts, benign tumors and ostheopathies	2
10. OMF malignant tumors: clinical and paraclinica aspects	2

11. OMF malignant tumors: principles of therapy	2
12. Salivary gland pathology	2
13. Orthognatic pathology	2
14. TMJ disorders and OMF pain	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1. Clinical examination in OMF pathology	8
2. Paraclinical assessments in OMF pathology	8
3. Therapy principles in OMF: soft tissue sutures	8
4. Clinical practice: soft tissue sutures II	8
5. Clinical presentation – sinus pathology	8
6. Clinical presentation - OMF infections	8
7. Clinical presentation – OMF infections II	8
8. Clinical presentation – MRONJ – partial assessment	8
9. Clinical presentation – OMF trauma	8
10. Clinical presentation –OMF malignant tumors	8
11. Clinical presentation – OMF malignant tumors II – partial assessment	8
12. Clinical presentation – Salivary gland pathology	8
13. Clinical presentation – Orthognatic disorders	8
14. Clinical cases: differential diagnosis	8

Minimal bibliography

Contemporary Oral and Maxillofacial Surgery - James Hupp, Myron Tucker, Edward Ellis – Seventh Edition_ Elsevier (2018)
Oral and Maxillofacial Surgery for the Clinician Harry Dym, Leslie R. Halpern, Orrett E. Ogle - Wiley Blackwell (2023)
Course notes

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

The content of the course is updated and alligned with other national and international university centres

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Interactive teaching platform, using multimedia facilities to diseminate the course
Laboratory	Clinical examination of patients with OMF pathology, clinical presentations, interpretation of imaging assessments, live surgeries

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check

To know the protocol for local clinical examination
To identify and recognise different OMF lesions
To identify on imagistic assessments specific OMF pathology characteristics

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**60 %**
- the final answer at the practical exam at laboratory	**20 %**
- periodic testing by control papers	**20 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**0 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E: Practical Individual Exam – presentation & disussion on a clinical case, **E:** Written work (1-2 open questions and 14 multiple choise test)	
Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
At least 30% correct test answers and one descriptive answer	Correct answers above 90% of the test and all descriptive answers

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Prof. PhD Căruntu Ana

Laboratory holder,
Prof. PhD Căruntu Ana

Date of approval in the Department
17.09.2025

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Professional organization and legislation**					
Didactic function, name and surname of the course holder	**Lecturer PhD Manea Ștefan**					
The discipline code	**DM 5.9.3**	The formative category of the discipline		**SD**		
Academic year	**V**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**1**	Of which course hours	**1**	seminary / laboratory / clinical internship	**-**
Total hours of the curriculum	**14**	Of which course hours	**14**	seminary / laboratory / clinical internship	**-**
		Total hours per semester	**50**		

Distribution of Time	**36 hours**
1. Deciphering and studying course notes	8
2. Study after textbook, course support	8
3. Study of the indicated minimum bibliography	4
4. Additional documentation in the library	2
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	2
7. Preparation of control papers	0
8. Preparation of oral presentations	6
9. Preparation of final exam	0
10. Consultations	2
11. Documentation on the field	0
12. Documentation on the Internet	2
13. Tutoriing	0
14. Examinations	2
15. Other activities	0

The name of the course	**Professional organization and legislation**		
Professional competences specific to the discipline	- aknowledging the principles of medical ethics, local legislation for doctors, forms of organization after graduation - knowledge of the legislative framework necesary for carrying out the professional dentist activity - presentation and disscussions about the patient's informed consent form - knowledge of the patient's rights in the doctor-patient, doctor-doctor, doctor-institutions relationships - establishing the limits of competence depending on the obtained specialty in dentistry		
Transversal competencies	- identifying the role and responsibilities of the dentist and the patient in doctor-patient relationship - completion of a continuing medical education program - efficient use of information sources, communication resources and professional training		
The general objective of the discipline	-aknowledge the legislative framework necessary for carrying out the professional dental activity		
The specific objective of the discipline	-knowledge of medical ethics and also professional skills and competences in dentist activity -application of relationship techniques and efficient teamwork in the relationship with the patient, his/her relatives, professional institutions and also with fellow dentits;		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate recognizes, identifies, and describes the legal aspects of the profession, the relevant legislation, and aspects of counseling and guidance regarding the profession.	The student/graduate demonstrates the ability to explain and apply the concepts, theories, and principles underlying the exercise of the profession on legislative bases. Manages the theoretical and legislative foundations of operational health systems in Romania and the EU, as well as managerial aspects regarding the dental/dental medicine office.	The student/graduate evaluates and integrates the theories and principles underlying professional training on legislative bases. Applies, analyzes, and implements the legislation in force and the legal norms for exercising the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
The Code of Ethics of the Dentist- part 1	2
Practising the Profession of Dentist.	1
Organization and functioning of the Romanian College of Dentists	1
The continuing medical education system	1
Patient rights. Informed patient consent	1
Types of health systems. National health insurance system.	1
The Code of Ethics of the Dentist- part 2	2

The competences of the dentist	1
The management of the dental office: the functions and roles of the manager, types of managers, business planning.Forms of organisations after graduation.	1
Quality management of medical services	1
Medical malpractice	1
Students presentations	1

Minimal bibliography

Minimal bibliography

1. Course support 2025-2026
2. Decision no. 24/2CN 27.09.2024 regarding the organization of the continuing medical education system for dentists and for the approval of the Continuing Medical Education Regulation of the Romanian College of Dentists, Annex no. 1 | The regulation of continuing medical education of the College of Dentists in Romania Published in the Official Gazette no. 1025/ 14.10. 2024
3. Law no. 95/2006 concerning the health reform -excerpt- Published in the Official Gazette, Part I no. 652 from 28.08.2015
4. Law no. 260/2015 published in the Official Gazette, Part I no. 825 of 5.11.2015
5. O.U.G. no. 45/2016 published in the Official Gazette, Part I no. 684 of 2.09.2016
6. Law no. 48/2017 published in the Official Gazette, Part I no. 239 of 04/06/2017
7. Law no. 35/2019 published in the Official Gazette, Part I no. 54 of 21.01.2019
8. Correction published in the Official Gazette, Part I no. 540 of 2.07.2019
9. CN decision no. 14/2CN/2019
10. Decision no. 16/2CN/2019
11. Decision no. 10/2007, Published in the Official Gazette, Part I no. 864 of December 18, 2007, Text consolidated on April 10, 2019, the Act includes the amendments and/or additions from the following acts: CN Decision no. 2/2CN/2019 published in the Official Gazette, Part I no. 273 of April 10, 2019.
12. CN decision no. 2/2CN/2019
13. DECISION No. 140/2018 of 21 March 2018 approving the packages of services and the Framework contract governing the conditions for the provision of medical care, medicines and medical devices within the health social insurance system for the years 2018 – 2019

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health.

The content of the discipline is corroborated with the employer's need in health, health management, medical education, dental research fields.

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Laptop, video projector. Multimedia - Power Point presentation of the basic knowledge. Interactive course, free disscusions.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**70%**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**30 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E:

E: Individual and Group presentations (30% of the final grade)

Written Exam- single-choice grid test (70% of the final grade)

Minimum requirements for 5 grade	**Minimum requirements for 10 grade**

(Or how to assign 5 grade)	(Or how to assign 10 grade)
Elementary knowledge of the notions presented in the course. Answers should not contain serious errors.	In-depth knowledge of the notions presented in the course. Correct answer to all exam questions.

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Lecturer PhD Manea Ștefan

Laboratory holder,
-

Date of approval in the Department
17.09.2025

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Physiotherapy in dentistry**					
Didactic function, name and surname of the course holder	**Lecturer PhD Stănescu Silviu Cătălin**					
The discipline code	**DM 5.9.4**	The formative category of the discipline		**SD**		
Academic year	**V**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**V**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**1**	Of which course hours	**1**	seminary / laboratory / clinical internship	
Total hours of the curriculum	**14**	Of which course hours	**14**	seminary / laboratory / clinical internship	
		Total hours per semester	**50**		

Distribution of Time	**36 hours**
1. Deciphering and studying course notes	6
2. Study after textbook, course support	6
3. Study of the indicated minimum bibliography	6
4. Additional documentation in the library	2
5. Specific training activity seminar and / or laboratory	2
6. Achievement homework, reports, essay, translations etc	2
7. Preparation of control papers	2
8. Preparation of oral presentations	1
9. Preparation of final exam	1
10. Consultations	1
11. Documentation on the field	1
12. Documentation on the Internet	1
13. Tutoring	1
14. Examinations	2

15. Other activities	2

The name of the course	**Physiotherapy in dentistry**		
Professional competences specific to the discipline	Ability to assess, diagnose, and manage temporomandibular disorders (TMD). This includes designing personalized rehabilitation programs, using manual therapy and enhance overall oral health.		
Transversal competencies	Identification of the objectives to be achieved, the available resources, the conditions for their completion, work stages, working times. Identifying roles and responsibilities in a multidisciplinary team and applying communication techniques within the team. Effective use of communication and professional training resources.		
The general objective of the discipline	Provides students of the Faculty of Dentistry with basic knowledge on physiotherapeutic treatment in periodontal disease		
The specific objective of the discipline	At the end of the course the students will be able to clinically and functionally evaluate the patient and prescribe physiotherapeutic modalities		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1.HISTORY OF PHYSIOTHERAPY AS A SPECIALTY, APPLICABILITY IN ORAL PATHOLOGY - Presentation of the main therapeutic means and modalities - Mechanisms of action of the therapeutic agents used (physiological and pathophysiological bases) - Fields of dental and oromaxillofacial pathology	1
2.CLINICAL, DIAGNOSTIC AND THERAPEUTIC ASPECTS - Principles of clinical-functional diagnosis - Clinical-functional evaluation of the patient - General principles of prescribing physiotherapeutic therapeutic modalities	1
3.THERMOTHERAPY AS A PHYSIOTHERAPEUTIC MODALITY WITH APPLICATION IN ORAL PATHOLOGY - Heat and cold applications - Cold or cryotherapy applications	1
4.ELECTROTHERAPY AND PHYSIOLOGICAL BASIS OF ELECTROTHERAPY	1

- Applicability in oral pathology	
5.GALVANIC CURRENT, ELECTROPLATING AND LOW FREQUENCY CURRENTS - Biological actions - Physiological effects - Application methods and techniques	1
6.MEDIUM FREQUENCY CURRENTS AND HIGH FREQUENCY THERAPY - Biological actions - Physiological effects - Application methods	1
7.ULTRASOUND THERAPY - Physical properties - Biological actions - Methodology of application	1
8.MAGNETIC FIELD THERAPY AND PHOTOTHERAPY WITH RUV AND RIR - Actions of magnetic fields - Physiological effects - Methodology of application	1
9.LOCOREGIONAL MASSAGE; Medical Kinesiology and Kinetotherapy - Techniques - Physiological action - Kinetoprophylaxis	1
10.OCCUPATIONAL THERAPY; DECONDITIONING OF VICIOUS HABITS ; LASER THERAPY - Definitions - Objectives - Therapeutic means	1
11.BIOFEEDBACK AND TENS , ACUPUNCTURE , ACUPRESSURE - Terminology - Principles - Practical applications	1
12.MAINTENANCE AND POSTOPERATIVE RECOVERY PHYSIOTHERAPY - Physiotherapeutic modalities - Therapeutic particularities	1
13.PHYSIOTHERAPY IN TEMPOROMANDIBULAR JOINT PATHOLOGY - Physiotherapeutic modalities - Therapeutic particularities	1
14.Physiotherapy of oral and maxillofacial pain - Physiotherapeutic modalities - Therapeutic particularities .PHYSIOTHERAPY IN PARESIS AND FACIAL NERVE PARALYSIS - Physiotherapeutic means Physiotherapeutic modalities	1
Minimal bibliography	
Fondamenti di Equilibriodonzia, Dr Alessandro Carrafiello, Dr Davide Besi, Dr Lorenzo Carrafiello, 2017	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Multimedia projection of the material according to the analytical syllabus accompanied by interactive programmed learning, in order to form the practical grasp of the theoretical concepts accumulated and learned.
Laboratory	Oral presentation, interactive discussions

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
TMG diagnosis and requires

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**100%**
- the final answer at the practical exam at laboratory	**0%**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**0 %**
- activity like homework / reports / essay / translation / projects etc.	**0 %**
- other activity	**0 %**
Describe the practical ways of final assessment, E: Practical Individual Exam, Multiple Choice Questions Exam	
Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
- Passing the practical exam - 50% of the grid test score	- Passing the practical exam - 100% of the grid test score

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Lecturer PhD Stănescu Silviu Cătălin

Laboratory holder,

-

Date of approval in the Department
17.09.2025

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Dental aesthetics**				
Didactic function, name and surname of the course holder	**Assoc. Prof. PhD Pătroi Dan Nicolae**				
Didactic function, name and surname of the laboratory holder	**Assist. Prof. PhD Stoian-Albulescu Mirel, Assist. Prof. PhD Iancu Ștefania Andrada**				
The discipline code	**DM 5.9.5**	The formative category of the discipline		**SD**	
Academic year	**V**	Semester*	**I**	Type of final evaluation (**E, V, C**)	**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits	**6**
* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*					

Number of hours per week	**6**	Of which course hours	**2**	seminary / laboratory / clinical internship	**4**

Total hours of the curriculum	**84**	Of which course hours	**28**	seminary / laboratory / clinical internship	**56**
		Total hours per semester	**150**		
Distribution of Time					**66 hours**
1. Deciphering and studying course notes					6
2. Study after textbook, course support					10
3. Study of the indicated minimum bibliography					8
4. Additional documentation in the library					10
5. Specific training activity seminar and / or laboratory					8
6. Achievement homework, reports, essay, translations etc					6
7. Preparation of control papers					2
8. Preparation of oral presentations					2
9. Preparation of final exam					10
10. Consultations					2
11. Documentation on the field					0
12. Documentation on the Internet					0
13. Tutoriing					2
14. Examinations					2
15. Other activities					0

The name of the course	**Dental aesthetics**
Professional competences specific to the discipline	Acquiring the theoretical and practical knowledge of aesthetics in dental medicine. Knowing the principles of aesthetics in dental medicine according to the needs of each patient. Development of an individualized aesthetic treatment plan. Knowing and mastering the notion of post operative care as an important part of maintaining the health of the stomatognathic system.

Transversal competencies	Knowledge of the principles of treatment regarding the aesthetics in dental medicine.		
The general objective of the discipline	Knowledge of the aesthetic principles according to the needs of each patient. Learning the methods of complete oral dental aesthetics. Knowing and mastering the factors of the aesthetics in dental medicine.		
The specific objective of the discipline	Knowledge and integration of dental aesthetic objectives in the patient's general pathology. Formulation of a complete and complex diagnosis for each clinical case.		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1 Aesthetics in dental medicine	2
2 Principles of facial aesthetics	2
3 Anatomical guide lines in dental aesthetics	2
4 Face bow and articulators. Wax up.	2
5 Dental morphology in the field of aesthetics	2
6 Analog smile design	2

7 Digital smile design and intraoral scanning	2
8 Functional principles in accordance with dental aesthetics	2
9 Methods of registration and communicating the teeth shade	2
10 Dental materials used in restoring the aesthetics	2
11 Pink and white aesthetics	2
12 Types of direct restorations used in dental aesthetics	2
13 Types of single or multiple tooth restorations used in dental aesthetics	2
14 Types of implant supported restorations used in dental aesthetics	2
Seminary / Laboratory / Clinical Internship content – Analytical Syllabus	**No. hours**
1 Clinical examination of the aesthetic patient	4
2 Dental aesthetic chart	4
3 Photo and video documentation of the patient	4
4 Intra oral scanning and VDO registration	4
5 Aesthetic dental treatment planning	4
6 Face bow registration and individual articulator mounting	4
7 Direct and indirect mock up	4
8 Functional smile desing	4
9 Teeth shade registration. Shade guide.	4
10 Veneer and crown preparations	4
11 Analog and digital dental abutments impressions	4
12 Analog and digital implant supported restorations impressions	4
13 Temporaries in dental aesthetics	4
14 Adhesive cementation	4
Minimal bibliography	

1 Mauro Fradeani Esthetic Rehabilitation in Fixed Prosthodontics Quintessence Publishing 2004
2 Kenneth W. Aschheim Esthetic Dentistry: A Clinical Approach Elsevier 2014
3 Abdelsalam Elaskary Fundamentals of Esthetic Implant Dentistry Wiley-Blackwell 2008
4 Nairn H. F. Wilson Principles and Practice of Esthetic Dentistry Elsevier 2014
5 Ronald E. Goldstein Ronald E. Goldstein's Esthetics in Dentistry Wiley-Blackwell 2018
6 Trushkowsky R.D. - Esthetic Oral Rehabilitation with Veneers, Springer Berlin, 2020
7 Masry R, Driscoll C.F. - Clinical applications of dental digital technology, Wiley-Blackwell 2023
8 Keith G. - Clinical applications of dental materials, American Medical Publisher, 2023
9 Shripriya R. - Esthetic Dentistry, Lambert Academic Publishing, 2022
10 Patroi D. - Lecture notes, 2025

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
Correctly assessing patients who may benefit from dental aesthetics treatment.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Interactive programmed learning; multimedia projection of course material
Laboratory	Equipped dental offices and practical demonstrations

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
- to know the complex concepts regarding dental aesthetics - to have no more than 20% unexcused and unrecovered absences from practical work - to know the usual methods of clinical examination of the patient benefiting from dental aesthetic treatment

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**60 %**
- the final answer at the practical exam at laboratory	**10 %**
- periodic testing by control papers	**10 %**
- continuing testing during the semester	**10 %**
- activity like homework / reports / essay / translation / projects etc.	**10 %**

- other activity	**0 %**
Describe the practical ways of final assessment, E: Practical Individual Exam, **E:** Written work (grid test)	
Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
- passing the practical exam - passing the control papers - making up for absences from practical papers - knowing the basics of dental aesthetics	- in-depth knowledge of the concepts of dental esthetics

Date of completion

12.09.2025

Director of the Department,

Prof. PhD Comăneanu Raluca Monica

Course holder,

Assoc. Prof. PhD Pătroi Dan Nicolae

Laboratory holder,

Assoc. Prof. PhD Pătroi Dan Nicolae

Date of approval in the Department

17.09.2025

Assist. Prof. PhD Stoian-Albulescu Mirel

Assist. Prof. PhD Iancu Ștefania Andrada

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Endodontic microsurgery**					
Didactic function, name and surname of the course holder	**Lecturer PhD Cosac Dana**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 5.9.12**	The formative category of the discipline		**RD**		
Academic year	**V**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**V**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**Op**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**2**	Of which course hours	**2**	seminary / laboratory / clinical internship	**-**
Total hours of the curriculum	**28**	Of which course hours	**28**	seminary / laboratory / clinical internship	**-**
		Total hours per semester	**50**		

Distribution of Time	**22 hours**
1. Deciphering and studying course notes	4
2. Study after textbook, course support	4
3. Study of the indicated minimum bibliography	4
4. Additional documentation in the library	4
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	2
7. Preparation of control papers	2
8. Preparation of oral presentations	1
9. Preparation of final exam	1
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	0
15. Other activities	0

The name of the course	**Endodontic microsurgery**		
Professional competences specific to the discipline	Acquisition of theoretical knowledge on the stages of microsurgical endodontic treatment, endodontic instruments Knowledge of the indications, contraindications, advantages and disadvantages of endodontic microsurgical treatment Achieving the performance characteristic of modern standards in achieving a correct and lasting treatment in the endocanalicular system.		
Transversal competencies	Students will understand that achieving the right treatment requires thorough knowledge and a varied practice.		
The general objective of the discipline	Correlation of the phases of endodontic microsurgical treatment with the morphofunctional restoration of the entire dentomaxillary apparatus in the context of the general condition of the patient.		
The specific objective of the discipline	Acquiring the necessary skills to perform treatment techniques regarding endodontic microsurgery.		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1. Indications and contraindications for endodontic microsurgery	2
2. Microsurgical instruments	2
3. Anesthesia and Hemostasis	2
4. Soft tissue anatomy	2
5. Flap design in endodontic microsurgery	2
6. Osteotomy, resection, curretage and hemostasis	2
7. Ultrasonic root end preparation	2
8. MTA and Bioceramic root end filling materials	4
9. Surgical root perforation repair	4

10. Cone beam computed tomography	4
11. Prognosis of endodontic microsurgery	2

Minimal bibliography

1. Microsurgery in endodontics – Syngcuk Kim, samuel Kratcman, Ed. Wiley Blackwell, 2017
2. Microsurgical Endodontics – Arnaldo Castellucci, Elio Berruti, Ed. Edra, 2019
3. Course support 2025-2026 (PPTX format)

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

Emphasize the importance of staying updated with the latest research and best practices in endodontics. Define a competency framework that reflects the skills and knowledge expected of professionals in the field. This could include procedural skills in microsurgery, patient assessment, and comprehensive treatment planning. Highlight the need for collaboration with other healthcare professionals. Discuss ethical dilemmas that may arise in endodontic practices, particularly in microsurgical interventions. Align this with the ethical guidelines provided by professional associations to ensure students are prepared for real-world challenges. Encourage students to engage with current literature and ongoing research. Address the importance of communication skills in managing patient expectations, particularly for complex procedures like microsurgery. Offer training on counseling patients about risks, benefits, and post-operative care.

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Interactive teaching programmed; video projected lecture supplement; learning through projects. Introducing and presenting notions through the use of pictures, schematics, drawings on digital platform.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**80 %**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**20%**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E:
The final examination consists of a written assignment related to a topic from the syllabus presented.

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
Students must demonstrate basic understanding of dental anatomy and physiology. They should be able to describe the role of endodontics in preserving natural teeth. Participation in foundational discussions on the importance of microsurgical tools is required.	Students must show proficiency in identifying and explaining endodontic pathology. Participation in foundational discussions on the importance of microsurgical tools is required Submission of a research-based report on advancements in endodontic microsurgery is mandatory.

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Lecturer PhD Cosac Dana

Laboratory holder,
-

Date of approval in the Department
17.09.2025

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Management of Iatrogenesis in Fixed Prosthetics**					
Didactic function, name and surname of the course holder	**Assoc. Prof. PhD Bogdan-Andreescu Claudia-Florina**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 5.9.13**	The formative category of the discipline		**RD**		
Academic year	**V**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**C9**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**Op**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**2**	Of which course hours	**2**	seminary / laboratory / clinical internship	**0**
Total hours of the curriculum	**28**	Of which course hours	**28**	seminary / laboratory / clinical internship	
		Total hours per semester	**50**		

Distribution of Time	**22 hours**
1. Deciphering and studying course notes	4
2. Study after textbook, course support	2
3. Study of the indicated minimum bibliography	2
4. Additional documentation in the library	0
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	3
7. Preparation of control papers	3
8. Preparation of oral presentations	0
9. Preparation of final exam	4
10. Consultations	1
11. Documentation on the field	0
12. Documentation on the Internet	2

13. Tutoriing	0
14. Examinations	1
15. Other activities	0

The name of the course	**Management of Iatrogenesis in Fixed Prosthetics**		
Professional competencies specific to the discipline	- Understanding of iatrogenesis: Define, classify, and explain the causes and consequences of iatrogenic complications in fixed prosthodontics. - Integration of disciplines: Demonstrate knowledge of periodontics, endodontics, occlusion, and biomaterials as they relate to prosthodontics. - Evidence-based practice: Critically appraise literature on prosthodontic complications and incorporate best practices into clinical decision-making.		
Transversal competencies	1. Cognitive competencies - Communicate effectively with patients about esthetic expectations, risk factors, and maintenance protocols. - Collaborate with dental laboratory technicians as equal partners in ensuring prosthetic success. - Engage in reflective practice by analyzing one's own clinical outcomes to reduce recurrence of errors. 2. Affective-value competencies - Building relationships with patients and medical staff. - Effective communication with patients. - Coordination and communication with dental technicians.		
The general objective of the discipline	To anticipate potential iatrogenic risks during treatment planning and design preventive strategies.		
The specific objective of the discipline	- Apply critical thinking to select appropriate materials and methods that reduce biological and mechanical risks. - Communicate effectively with dental technicians through prescriptions, photographs, and digital data. - Evaluate impressions, casts, dies, and CAD/CAM outputs for accuracy. - Integrate digital dentistry tools (scanners, CAD software, virtual articulators) to minimize laboratory-related errors.		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry,	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for

	using classical or digital methods/techniques.		practicing the profession of dentist.

The content of the course – Analytical Syllabus	No. hours
1. Introduction to Iatrogenesis in Dentistry	2
2. Fundamentals of Fixed Prosthodontics	2
3. Etiology and Classification of Iatrogenic Errors	2
4. Diagnostic Pitfalls Leading to Iatrogenesis	2
5. Iatrogenic Soft Tissue Trauma	2
6. Iatrogenic Pulpal and Endodontic Complications	2
7. Iatrogenic Errors in Tooth Preparation	2
8. Laboratory-Related Iatrogenesis	2
9. Occlusal Iatrogenesis in Fixed Prosthodontics	2
10. Prosthesis-Induced Periodontal Problems	2
11. Prosthesis Fractures and Material Failures	2
12. Esthetic Iatrogenesis	2
13. Prevention of Iatrogenesis in Fixed Prosthetics	2
14. Case-Based Reviews and Future Directions	2

Minimal bibliography

1. Management of Iatrogenesis in Fixed Prosthetics - Course Handouts, PDF format, current year of study 2025-2026.
2. Parameters of Care for the Specialty of Prosthodontics. Journal of Prosthodontics 2020, 29, 3-147.
3. Gerova-Vatsova T, Peev S, Yotsova R. The relationship between periodontal health and fixed prostethic restorations. Journal of IMAB–Annual Proceeding Scientific Papers 2023, 29(4), 5174-5177.
4. Shtewi S, Alhouri N, Kanout S. A Survey to Assess The Failure in Crowns and Fixed Partial Dentures: An In Vivo Study. Int J Prosthodont. 2023. doi:10.11607/ijp.8632
5. Fouad M, Allam, E. Failures in Fixed Dental Prostheses: A Clinical Survey on Causes and Longevity. Journal of Dental Science Research Reviews & Reports. SRC/JDSR-195. 2024, (6), 167, 2-4.
6. Faour Y, Abed D, Alhouri, N. Assessment of Iatrogenic Damage to Adjacent Teeth After Applying Different Prevention Methods: A Cross-Sectional Study. Cureus 2024, 16(10).
7. LakshmanaRao Bathala, Udayabhanu K, Jayalakshmi K. "Iatrogenic" Failures in Prosthodontics- A Review. IJMRSET, Volume 7, Issue 12, December 2024.

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

The discipline of Management of Iatrogenesis in Fixed Prosthetics is an important component of dentistry education. A prosthodontist competent in managing iatrogenesis should be able to identify risks and errors early, prevent harm by adhering to biological, mechanical, and esthetic principles, correct complications when they arise, communicate openly with patients and colleagues.

Mode of transmission of information:

Forms of activity	Teaching methods used
Course	- Multimedia projection of the course, according to the analytical curriculum. - Interactive programmed education is used to form the practical skill of the accumulated theoretical notions.

For the final grade is taken into account	Total = 100%

- the answer at the exam / final evaluation	**50 %**
- continuing testing during the semester	**20 %**
- activity like homework / reports / essay / translation / projects etc.	**30 %**
- other activity	**0 %**

Describe the practical ways of final assessment, E: descriptive written work that evaluates the acquisition and understanding of theoretical concepts and the way of thinking (50% of the final grade).

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• passing the test, • making the essay, • knowledge of the basic concepts regarding iatrogenesis in fixed prosthetics, minimum grade 5 on the final evaluation.	• in-depth knowledge of the concepts iatrogenesis in fixed prosthetics, • attendance at the course, • activity at the course.

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Assoc. Prof. PhD Bogdan-Andreescu Claudia-Florina

Date of approval in the Department
17.09.2025

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Pedodontics**					
Didactic function, name and surname of the course holder	**Lecturer PhD Cosac Dana**					
Didactic function, name and surname of the laboratory holder	**Lecturer PhD Cosac Dana**					
The discipline code	**DM 5.10.6**	The formative category of the discipline		**SD**		
Academic year	**V**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**5**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**6**	Of which course hours	**2**	seminary / laboratory / clinical internship	**4**
Total hours of the curriculum	**84**	Of which course hours	**28**	seminary / laboratory / clinical internship	**56**
		Total hours per semester	**150**		

Distribution of Time	**66 hours**
1. Deciphering and studying course notes	10
2. Study after textbook, course support	6
3. Study of the indicated minimum bibliography	8
4. Additional documentation in the library	6
5. Specific training activity seminar and / or laboratory	10
6. Achievement homework, reports, essay, translations etc	4
7. Preparation of control papers	6
8. Preparation of oral presentations	4
9. Preparation of final exam	4
10. Consultations	1

11. Documentation on the field	0
12. Documentation on the Internet	2
13. Tutoriing	1
14. Examinations	4
15. Other activities	0

The name of the course	**Pedodontics**		
Professional competences specific to the discipline	To establish a diagnosis and treat a dental and dento-alveolar trauma of the temporary and permanent young teeth. To establish a diagnosis of dental anomaly (volume, shape, number, structure). Recognize and describe the main conditions 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 methods of administration and dosage of drugs indicated in pedodontic practice.		
Transversal competencies	Knowledge of the dental pathology of the child and adolescent, by presenting the notions of child management, by presenting some specialized terms and notions that will be used throughout the studies and in the practice of dentistry.		
The general objective of the discipline	To acquire theoretical and practical knowledge regarding the clinical examination and diagnosis of traumas, dental anomalies and oral soft tissue diseases in the child patient. To acquire theoretical and practical knowledge on how to treat trauma, dental abnormalities and oral soft tissue disorders in the child patient.		
The specific objective of the discipline	Presentation of the main anomalies of the temporary teeth. The correct management of the means of treatment within the dento-alveolar traumas. Prosthetic, orthodontic interceptive and surgical treatment of temporary and permanent immature teeth.		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1. Pathology and management of the first permanent molar	4
2. Traumatic dental injuries in the temporary dentition	2
3. Traumatic dental injuries in the immature permanent dentition	2

4. Dental anomalies of number, volume and shape	2
5. Developmental defects of the dental hard tissues and their treatment	2
6. Diseases of the marginal periodontium in children and adolescents	2
7. Oral pathology in children and adolescents	2
8. Notions of oro-dental surgery in children and adolescents	2
9. Prosthetic treatment in children and adolescents	2
10. Interceptive orthodontic therapy	2
11. Emergency treatment in pedodontics	2
12. Pedodontic medication	2
13. Pain and anxiety management in pedodontics	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1. Patient examination, diagnosis and treatment plan	12
2. Analysis of panoramic radiographs with mixed dentition	20
3. Extraction of temporary teeth	6
4. Space maintainers, model or patient analysis	6
5. Dental emergencies in pediatric dentistry	6
6. Management of dental traumas	6

Minimal bibliography

1. Course support 2025-2026 (PPTX format)
2. Atlas of Pediatric Oral and Dental Developmental Anomalies - Ghassem Ansari, Mojtaba Vahid Golpayegani, Richard Welbury, 2018
3. Clinical Cases in Pediatric Dentistry, 2nd edition – Amr M. Moursi, 2019

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

1. The future practical activity of the dentist is based not only on theoretical and practical knowledge, but also on manuality, patience, empathy and special conscientiousness, on the ability to understand the psychological profile of the child.
2. Knowledge of the specific pathology of the child and adolescent, of temporary and permanent young tooth diseases is essential for establishing an appropriate diagnosis and treatment plan that maintains the functionality of the teeth on the arch.

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Interactive programmed education; multimedia projection of the course support; project-based learning. Presentation of notions using images, diagrams, drawings on electronic support.
Laboratory	The clinical internships include a synthetic resumption of the theoretical elements to ensure the premises of the practical activity. The internships are carried out interactively, following the student's interest. The activity is carried out having as study support radiographs and study models specific to temporary and mixed dentition. Clinical procedures per patient include performing dental, endodontic and surgical treatments in both temporary and mixed dentition.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check

- to know the basic notions regarding the diagnosis and treatment related to the specific pathology of the child and adolescent
- interpretation of radiographs in mixed dentition;
- knowledge of dental anomalies in temporary and mixed dentition;
- performing clinical maneuvers (treatment of pulpal disease, performing space maintenance)

- not to have unrecovered absences from practical work.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**80%**
- the final answer at the practical exam at laboratory	**10%**
- periodic testing by control papers	**5%**
- continuing testing during the semester	**5%**
- activiry like homework / reports / essay / translation / projects etc.	**0 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E:
The practical exam consists of an oral examination of the acquired knowledge, in groups. At least 3 students participate in the examination, the holder of the discipline and the holder of the practical works. The final exam consists of grid testing.

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• to know the basic notions regarding the diagnosis and treatment related to the specific pathology of the child and adolescent. • interpretation of radiographs in mixed dentition; • passing the practical exam • promoting control works • recovery of all absences from practical work • knowledge of the basic notions regarding the topic	• grade over 9 for the control paper during the semester. • grade over 9 in the practical exam. • grade over 9 on the grid test. • in-depth knowledge of the approached topic

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Lecturer PhD Cosac Dana

Laboratory holder,
Lecturer PhD Cosac Dana

Date of approval in the Department
17.09.2025

TITU MAIORESCU" UNIVERSITY OF BUCHAREST
UNIVERSITY YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	DENTAL MEDICINE
Department	DEPARTMENT OF SPECIALTY DISCIPLINES
Field of study	DENTAL MEDICINE
Study cycle	LICENCE STUDIES
Study program	Dental Medicine

Name of the discipline	**MOBILE DENTAL PROSTHETICS**					
Didactic function, name and surname of the course holder	**Assoc. Prof. PhD Bănățeanu Andreea Mariana**					
Didactic function, name and surname of the laboratory holder	**Assoc. Prof. PhD Banateanu Andreea Mariana** **Assist. Prof. Drd. Di Francesco Paolo** **Assist. Prof. PhD Drăghici Lucia Alexandra**					
Code of discipline	**DM 5.10.7**	Course type		**SD**		
Year of study	**V**	Semester *	II	Type of final evaluation (**E, V**)		**E8**
The discipline regime (O-compulsory, Op-optional, F-optional)			**O**	Number of credits		6
** If the discipline has several study semesters, complete a file for each semester*						

Number of hours per week	**8**	Of which course hours	**2**	Seminary / laboratory / clinical internship	**6**
Total hours of the curriculum	**112**	Course hours	**28**	Seminary / laboratory / clinical internship	**84**
		Total hours per semester	**150**		
Distribution of Time					38 Hours
1. Deciphering and studying course notes					6
2. Study after text book, course support					6
3. Study of the minimum bibliography indicated					6
4. Additional documentation in the library					6
5. Specific training activity SEMINAR and / or LABORATORY					6
6. Making themes, essays, translations, etc.					1

7.Training for test	2
8. Preparation oral presentations	2
9. Preparation final examination	2
10. Consultations	1
11. Documentation on the ground	0
12. Documentation on the Internet	0
13. Tutoring	0
14. Examinations	0
15. Other Activities	0

<table>
<tr><td>The name of the course</td><td colspan="3">MOBILE DENTAL PROSTHETICS</td></tr>
<tr><td>Professional competences specific to the discipline</td><td colspan="3">Theoretical knowledge
● Knowledge of the clinical examination of the complete bimaxillary edentulous patient.
● Knowledge of the clinical-technical stages of complete prosthesis.
● Adaptation with total prosthesis and patient dispensary.
● Knowledge of the clinical-technical stages of total prosthesis reconditioning.
● Recognition of prosthetic stomatopathies, their inclusion in clinical forms, differential diagnosis with other lesions of the oral mucosa and indications for treatment.</td></tr>
<tr><td>Transversal competences</td><td colspan="3">● Learning and correct use of medical vocabulary
● Identifying the roles and responsibilities of teamwork
● Effective use of information sources and communication resources
● Knowing the importance of continuing medical education in order to develop their professional capacities
● Taking part in different scientific student events</td></tr>
<tr><td>The general objective of the discipline</td><td colspan="3">● Completing a patient observation medical raport
● Perform the exo- and endobuccal examination of the patient.
● To know the clinical and technical stages of prosthetic treatment.
● Staging the treatment of the edentulous patient.</td></tr>
<tr><td>Objectives specific to the discipline</td><td colspan="3">● Competences in examining a complete uni- or bimaxillary edentulous patient, establishing the diagnosis and the treatment plan; making total acrylic prostheses.</td></tr>
<tr><td rowspan="2">Learning Outcomes</td><td>Knowledge</td><td>Skills</td><td>Responsibility and autonomy</td></tr>
<tr><td>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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.</td><td>The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.</td><td>The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.</td></tr>
</table>

Content of lectures – Analytical syllabus	No.hours
1. Complete edentation, definition, etiology, symptoms	2
1. Anatomic landmarks of the denture bearing area (supporting structures) in the maxilla and peripheral limiting	2
3. Anatomic landmarks of the denture bearing area (supporting structures) in the mandible and peripheral limiting	2
4. Clinical examination of the complete edentulous bimaxillary patient without prosthesis and of the patient with old prosthesis.	2
5. Retention, stability and support of the complete dentures	2
6. Preliminary impression, definition, materials and techniques	2
7. Final impression, definition, materials and techniques	2
8. Recording jaw relations using the occlusal rims.	2
9. The selection and arrangement of prosthetic teeth	2
10. The try-in appointment; verification of trial denture retention and stability	2
11. Prothesies insertion and follow-up appointments	2
12. Relines and repases of the complete prostheses	2
13. Prosthetic stomatopathies. Classification, clinical forms, treatment methods.-	2
14. Modified protocols for immediate dentures, over dentures and single dentures	2
Seminary / Laboratory / Clinical Trainee content - Analytical syllabus	No.hours
1. Clinical examination of the complete edentulous bimaxillary patient without prosthesis and of the patient with old prosthesis.	10
2. Preliminary impression, definition, materials and techniques	10
3. Final impression, definition, materials and techniques	10
4. Recording jaw relations using the occlusal rims.	10
5. The selection and arrangement of prosthetic teeth	5
6. The try-in appointment; verification of trial denture retention and stability	10
7. Prothesies insertion and follow-up appointments	5
8. Prosthetic stomatopathies. Classification, clinical forms, treatment methods.	10
9. Relines and repases of the complete prostheses	10
10. Practical Exam	4
Minimal bibliography	
Course notes 2025-2026	
Additional bibliography	
1. Prosthetic treatment for the edentulous patient- RM Basker, JC Davenport,JM Thomason,Fifth Edition,2011 2. Prosthodontic treatment for edentulous patient-George Zarb, J Hobkirk,S Eckert, 13-th edition,2013 3. Complete Denture Proshodontics – Yasemin K.Ozkan, Springer International Publishing, 2022 4. Digital full arch-Byung-Ho Choi, Seung-MI Jeong, Quintessence Publishing, 2022 5. Esthetics and Function in Complete Denture Prosthesis- Piro Venezia, Edra Spa, 2022	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
The content of the discipline is corroborated with the need of employers in the fields of health, health management, medical education, drug companies, research in dentistry.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**

Course	Interactive presentation of the material according to the analytical program, using multimedia means, power point presentations, didactic videos, debates, study topics.
Laboratory	Activity carried out on simulators and extracted teeth in order to form the practical skill; power point presentations, didactic videos, debates, study topics.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
Each student must treat at least one edentulous patient and help treat the other patients in the group (mandatory condition for entering the practical exam). Examination of the completely edentulous patient. Establishing the treatment plan and staging it. Preliminary and functional impressions of the fully edentulous prosthetic field. Determination and recording of intermaxillary relations. Application and individualization of the total prosthesis. Periodic inspection and retouching of the prosthesis on a case-by-case basis.

For the final mark is taken into account	**Weight in notation, expressed as a percentage (Total = 100%)**
- the final evaluation	**70%**
- the final grade at the practical exam	**10%**
- periodic testing by control papers	**-**
- continuing testing during the semester	**10%**
- activity like homework / reports / essay / translation / projects etc.	**10%**
- other activity	**-**

Describe the practical ways of final assessment, E:
Practical Individual Exam, Scientific Report, Descriptive Written Work **, E:** Written work (descriptive and test)

Minimum requirements for grade 5 (Or how to assign grade 5)	**Minimum requirements for grade 10** (Or how to assign grade 10)
● Passing the practical exam ● Laboratory, course attendance ● Mandatory redeeming of absences ● Acquiring specialized terms and their proper use ● Passing theoretical and practical tests	In addition to the minimum requirements for grade 5: ● Mastering the entire course of the discipline, along with studying other specialized books ● Fully participating in interactive discussions during the course or laboratory ● Ability to explain and interpret the theoretical and practical contents of the discipline in an interdisciplinary approach with other general and specific dental and dental subjects. ● Ability to synthesize; logical thinking

Date of completion
12.09.2025

Course holder,
Assoc. Prof. PhD Banateanu Andreea

Director of the Department,
Prof. PhD Monica Comaneanu

Date of approval in the Department
17.09.2025

Laboratory holder,

Assoc. Prof. PhD Banateanu Andreea Mariana

Assist. Prof. Drd. Di Francesco Paolo

Assist. Prof. PhD Drăghici Lucia Alexandra

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Periodontics I**					
Didactic function, name and surname of the course holder	**Lecturer PhD Stănescu Silviu Cătălin**					
Didactic function, name and surname of the laboratory holder	**Assoc. Prof. PhD Mihai Lelia Laurența, Lecturer PhD Stănescu Silviu Cătălin**					
The discipline code	**DM 5.10.8**	The formative category of the discipline		**SD**		
Academic year	**V**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**6**

** If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**6**	Of which course hours	**2**	seminary / laboratory / clinical internship	**4**
Total hours of the curriculum	**84**	Of which course hours	**28**	seminary / laboratory / clinical internship	**56**
		Total hours per semester	**150**		

Distribution of Time	**66 hours**
1. Deciphering and studying course notes	12
2. Study after textbook, course support	20
3. Study of the indicated minimum bibliography	12
4. Additional documentation in the library	10
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	0
7. Preparation of control papers	0
8. Preparation of oral presentations	0
9. Preparation of final exam	12

10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0
13. Tutoring	0
14. Examinations	0
15. Other activities	0

The name of the course	**Periodontics I**		
Professional competences specific to the discipline	Students will develop knowledge of the methods for identifying bacterial plaque, calculating plaque and calculus indices, oral hygiene indices, as well as assessing the degree of gingival inflammation.		
Transversal competencies	Identification of the objectives to be achieved, the available resources, the conditions for their completion, work stages, working times. Identifying roles and responsibilities in a multidisciplinary team and applying communication techniques within the team. Effective use of communication and professional training resources.		
The general objective of the discipline	Development of clinical knowledge regarding the etiopathogenesis, prevention, and the role of antimicrobial treatment in periodontal disease.		
The specific objective of the discipline	At the end of the course, students will be able to: • Establish a presumptive and differential diagnosis; • Complete the periodontal chart; • Perform antimicrobial treatment for marginal periodontium inflammations.		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1. **Morpho physiology of the marginal periodontium** • Embryonic development of teeth • Cementogenesis • Formation of the periodontal ligament	2

2. **Superficial or covering marginal periodontium** • Gingiva – clinical aspects of healthy gingiva • Gingival sulcus • Supralveolar ligaments	2
3. **Deep marginal periodontium** • Root cementum • Periodontal ligament • Alveolar bone	2
4. **Vascularization and innervation of the periodontium** • Vascularization • Innervation	2
5. **Etiopathogenesis of periodontal diseases** • Role of local factors in the onset of periodontal diseases	2
6. **Bacterial plaque** • Supragingival plaque • Subgingival plaque	2
7. **Dental calculus** • Formation of calculus • Supragingival calculus • Subgingival calculus	2
8. **Bacteria considered pathogenic in periodontal disease** • In gingivitis • In periodontitis	2
9. **Occlusal trauma** • Role of occlusal trauma in the onset of periodontal disease • Acute occlusal trauma • Secondary occlusal trauma	2
10. **Role of general, systemic factors in the onset of periodontal disease** • General diseases	2
11. **Examination of the periodontal patient** • Medical history • Objective clinical examination • Periodontal charting	2
12. **Indices for evaluating periodontal disease** • Periodontal index • CPITN index (Community Periodontal Index of Treatment Needs)	2
13. **Complementary examinations** • Detection of bacterial plaque • Study models examination • Radiological examination	2
14. **Role of the immune system in the pathophysiology of periodontal disease** • Hypotheses on the balancing of occlusal forces	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1. 1. **Presentation of the dental chart scheme** • Morphological and topographical evolution of periodontal disease • Comparison between normal and pathological conditions	4
2. **Presentation of the periodontal patient observation sheet** • Case presentations	4
3. **Study of models and radiographs** • Interpretation of paraclinical investigation results	4

• Study of models	
4. **Presentation of consultation instruments** • Manual scaling instruments • Specialized instruments for surgical treatments	4
5. **Presentation on models of manual scaling techniques** • Clinical case presentations	4
6. **Demonstrations on patients of manual scaling** • Manual scaling technique • Professional brushing	4
7. **Clinical identification of bacterial plaque** • Biochemical technique for plaque identification • Clinical case presentations	4
8. **Assessment of hygiene status, disease condition, and treatment requirements** • Determination of the plaque index • Determination of the calculus index • Determination of the oral hygiene index	4
9. **Determination of periodontal indices** • Measurement of periodontal pocket depth • Periodontal charting	4
10. **Examination of the periodontal patient** • Clinical examination • Completion of the observation sheet	4
11. **Personalization of the hygiene program for each periodontal patient** • Instructions on choosing the appropriate toothbrush • Instructions on brushing techniques	4
12. **Training periodontal patients on the use of secondary hygiene aids** • Use of gingival stimulators • Use of dental floss	4
13. **Ultrasound scaling** • Presentation of the device • Scaling technique	4
14. **Professional brushing** • Execution methods • Technique	4
Minimal bibliography	
Newman and Carranza's Clinical Periodontology, 13th edition, 2018 Newman and Carranza's Clinical Periodontology and Implantology, 14th edition, 2023	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Multimedia projection of the material according to the analytical program, accompanied by interactive programmed teaching to develop practical skills based on the accumulated and understood theoretical knowledge.

Laboratory	Clinical examination, interactive activities, identification of bacterial plaque, demonstration of oral cavity hygiene methods, study of models and radiographs.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
Mastering the method of calculating the oral hygiene index.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**100 %**
- the final answer at the practical exam at laboratory	**0%**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**0 %**
- activity like homework / reports / essay / translation / projects etc.	**0 %**
- other activity	**0 %**

Describe the practical ways of final assessment, E:
Practical Individual Exam: Multiple Choice Questions Exam,

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• Passing the practical exam. • Achieving 50% of the points on the multiple-choice test.	• Passing the practical exam. • Achieving 100% of the points on the multiple-choice test.

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Lecturer PhD Stănescu Silviu Cătălin

Laboratory holder,
Lecturer PhD Stănescu Silviu Cătălin

Date of approval in the Department
17.09.2025

Assoc. Prof. PhD Mihai Laurenţa Lelia

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Scientific research methodology**					
Didactic function, name and surname of the course holder	**Lecturer PhD Manea Ștefan**					
The discipline code	**DM 5.10.9**	The formative category of the discipline		**CD**		
Academic year	**II**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**V**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**2**	Of which course hours	**2**	seminary / laboratory / clinical internship	
Total hours of the curriculum	**28**	Of which course hours	**28**	seminary / laboratory / clinical internship	
		Total hours per semester	**50**		

Distribution of Time	**22 hours**
1. Deciphering and studying course notes	3
2. Study after textbook, course support	2
3. Study of the indicated minimum bibliography	1
4. Additional documentation in the library	1
5. Specific training activity seminar and / or laboratory	1
6. Achievement homework, reports, essay, translations etc	1
7. Preparation of control papers	2
8. Preparation of oral presentations	3
9. Preparation of final exam	4
10. Consultations	1
11. Documentation on the field	0
12. Documentation on the Internet	1
13. Tutoriing	1
14. Examinations	1
15. Other activities	0

The name of the course	**Scientific research methodology**		
Professional competences specific to the discipline	Mastering the methodology of medical scientific research		
Transversal competencies	Students will be aware that the work in the office is done in a team, and the human factor of the team also ensures the application of ethical norms in current medical scientific research.		
The general objective of the discipline	Learning how to conduct health research		
The specific objective of the discipline	Assimilation of sampling methodology, principles and schemes		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate identifies, describes, explains, and analyzes ways of producing, critically evaluating, and disseminating scientific data resulting from qualitative and quantitative research methods.	The student/graduate appropriately uses professional terminology in the official language as well as in an international language. Correctly interprets, manages, and reports knowledge of information technology for the documentation, analysis, and communication of information.	The student/graduate efficiently integrates informational sources and resources for professional communication and training (internet portals, specialized software applications, databases, online courses, etc.).

The content of the course – Analytical Syllabus	**No. hours**
1. Mastering the methodology of medical scientific research	2
2. Scientific research methodology	4
3. Structure of the research	2
4. Types of epidemiological studies	2
5. Use of scientific evidence	2
6. Sampling. Sampling theory.	2

Minimal bibliography

1. Research Methods for Public Health- Amy A. Eyler, 2021 Springer Publishing
2. Critical thinking : understanding and evaluating dental research - Donald Maxwell Brunette, 2020 Quintessence Publishing
3. PRINCIPLES AND PRACTICE OF CLINICAL RESEARCH, FOURTH EDITION - JOHN I. GALLIN, FREDERICK P. OGNIBENE, LAURA LEE JOHNSON, 2018 Elsevier
4. EVIDENCE-BASED DECISION MAKING - A TRANSLATIONAL GUIDE FOR DENTAL PROFESSIONALS - Jane L. Forrest, Syrene A. Miller, Pam R. Overman, Michael G. Newman, 2009 Lippincott Williams & Wilkins
5. Statistical and Methodological Aspects of Oral Health Research - E. Lesaffre, J. Feine, B . Leroux, D. Declerck, 2009 Wiley
6. Course Notes 2025

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

The development of the contents and the choice of teaching methods are based on the identification of the needs of knowledge and skills necessary to align the dental medical practice with the applicable legal requirements.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Electronic presentations, discussions, comments.
Laboratory	Electronic presentations, discussions, comments.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
in order for the student to acquire the minimum level of competences specific to the discipline, we consider necessary the interactive participation in the practical works, the promotion of the control work and the promotion of the practical exam

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**60%**
- the final answer at the practical exam at laboratory	**10 %**
- periodic testing by control papers	**10 %**
- continuing testing during the semester	**10 %**
- activiry like homework / reports / essay / translation / projects etc.	**10 %**
- other activity	**0 %**

Describe the practical ways of final assessment, E:
The practical exam consists of an oral examination of the acquired knowledge, in groups.
The final exam consists of a test: grid testing and open questions.

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• Basic knowledge of the presented notions • Answers should not contain serious errors	In-depth knowledge of the presented notions • Browse the entire recommended bibliography • Correct answer to all questions

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Lecturer PhD Manea Ștefan

Laboratory holder,

Date of approval in the Department
17.09.2025

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Orthodontics and Dento-Facial Orthopedics I**					
Didactic function, name and surname of the course holder	**Assoc. Prof. PhD Mariș Marius**					
Didactic function, name and surname of the laboratory holder	**Assoc. Prof. PhD Mariș Marius, Assist. Prof. PhD Zalana Alexandru Ștefan**					
The discipline code	**DM 5.10.10**	The formative category of the discipline		**SD**		
Academic year	**V**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**6**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**6**	Of which course hours	**2**	seminary / laboratory / clinical internship	**4**
Total hours of the curriculum	**80**	Of which course hours	**24**	seminary / laboratory / clinical internship	**56**
		Total hours per semester	**150**		

Distribution of Time	**70 hours**
1. Deciphering and studying course notes	10
2. Study after textbook, course support	8
3. Study of the indicated minimum bibliography	10
4. Additional documentation in the library	4
5. Specific training activity seminar and / or laboratory	10
6. Achievement homework, reports, essay, translations etc	4
7. Preparation of control papers	4
8. Preparation of oral presentations	4
9. Preparation of final exam	4
10. Consultations	4
11. Documentation on the field	0
12. Documentation on the Internet	4

13. Tutoriing	0
14. Examinations	4
15. Other activities	0

The name of the course	**Orthodontics and Dento-Facial Orthopedics I**		
Professional competences specific to the discipline	-Complex diagnosis , functional and morphological -complex treatment planning true clinical examination study models, and preclinical exams -orthodontic chart presentation with the appliances design -knowing how an appliance works and when to indicate orthodontic treatment -knowing the stages of maxillofacial system growing -miogymnastics exercises, selective graiding		
Transversal competencies	-multidisciplinary team work -tehniques for the team and pacient family -efficient using of informations in case of paperwork presentations -orthontic screenings -comprehensive identifications of severe anomalies		
The general objective of the discipline	Complex diagnosis treatment planning		
The specific objective of the discipline	-Optimum treatment timing -Complex treatment management depending of the age, general health status, regarding the anomaly		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1 Filogenetic evolution of dentomaxilary apparatus	1
2 Ontogenesis. Growth and development. Embryology	1
3 Growth and development. Embryology notions I	2
4 Growth and development. Embryology notions II	2
5 Dental anomalies, Supernumerary teeth	2
6 Anodontia	2

7 Diastema	2
8 Dental transposition	2
9 Dental Inclusion	2
10 Dental reinclusion	1
11 Dental ectopy	1
12 Maxillary compression	2
13 Open bite	2
14 Mandibular prognatism	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1 Orthodontics chart	4
2 Treedimensional analisys of the arches I	4
3 Treedimensional analisys of the arches II	4
4 Treedimensional analisys of the arches III	4
5 Treedimensional analisys of the arches IV	4
6 Dentomaxilary pathology classification. Angle classification	4
7 Arch development . Pont Index	4
8 Arch development II Korkhaus Index	4
9 Bolton Index	4
10 Clinical Exam I general examination	4
11 Clinical Exam II facial examination	4
12 Clinical Exam III TMJ examination	4
13 Clinical Exam IV functional examination, breathing	4
14 Practical Examination	4

Minimal bibliography

1. Temporary Anchorage Devices in Clinical Orthodontics, Jae Hyun Park DMD, MSD, MS, PhD, 21 February 2020 ISBN:9781119513476, © 2020 John Wiley & Sons, Inc.
2. Principles and Biomechanics of Aligner Treatment, 1st Edition, Authors : Ravindra Nanda & Tommaso Castroflorio & Francesco Garino & Kenji Ojima, Date of Publication: 12/2021
3.Orthodontics: Current Principles And Techniques (4Th Edition), Amy Reed, 2019
4.Contemporary Orthodontics William R. Proffit, Fields, Henry W. Jr., Brent Larson, 2019

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Laptop, video projector, multimedia presentation, keynote with iconography, interactive course, questions answering
Laboratory	The instrumentarium and orthodontics tehiques will be presented, cast studies, interactive seminaries, case presentations, orthodontics projects

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check

- To eknowledge orthodontic terminology, diagnosis, anomalies classification, the nature of anomalies;
- Not more than 20% missing classes

For the final grade is taken into account	Total = 100%
- the answer at the exam / final evaluation	**70 %**
- the final answer at the practical exam at laboratory	**25 %**
- periodic testing by control papers	**5 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**0 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E:
The practical exam will examinate the knowledges acquired of each student . There will be a minimum of 3 students present, the discipline holder and the discipline lecturer. Final exam will be written quiz.

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
Understanding Orthodontic Concepts: • Basic knowledge of dental anatomy and occlusion. • Introduction to common orthodontic terms and concepts, such as malocclusion and treatment objectives.	**Introduction to Evidence-Based Practice**: • Familiarity with the importance of research in orthodontics. • Learning to identify credible sources of information related to orthodontic treatments. • **Participation Evaluations**: Active participation in class, clinical observations, and discussions. • **Basic Knowledge Tests**: Quizzes to assess understanding of foundational concepts.

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Assoc. Prof. PhD Mariș Marius

Laboratory holder,
Assoc. Prof. PhD Mariș Marius

Date of approval in the Department
17.09.2025

Assist. Prof. PhD Zalana Alexandru Ștefan

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Endodontic microsurgery**					
Didactic function, name and surname of the course holder	**Lecturer PhD Cosac Dana**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 5.9.12**	The formative category of the discipline		**RD**		
Academic year	**V**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**V**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**Op**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**2**	Of which course hours	**2**	seminary / laboratory / clinical internship	**-**
Total hours of the curriculum	**28**	Of which course hours	**28**	seminary / laboratory / clinical internship	**-**
		Total hours per semester	**50**		

Distribution of Time	**22 hours**
1. Deciphering and studying course notes	4
2. Study after textbook, course support	4
3. Study of the indicated minimum bibliography	4
4. Additional documentation in the library	4
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	2
7. Preparation of control papers	2
8. Preparation of oral presentations	1
9. Preparation of final exam	1
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	0
15. Other activities	0

The name of the course	**Endodontic microsurgery**		
Professional competences specific to the discipline	Acquisition of theoretical knowledge on the stages of microsurgical endodontic treatment, endodontic instruments Knowledge of the indications, contraindications, advantages and disadvantages of endodontic microsurgical treatment Achieving the performance characteristic of modern standards in achieving a correct and lasting treatment in the endocanalicular system.		
Transversal competencies	Students will understand that achieving the right treatment requires thorough knowledge and a varied practice.		
The general objective of the discipline	Correlation of the phases of endodontic microsurgical treatment with the morphofunctional restoration of the entire dentomaxillary apparatus in the context of the general condition of the patient.		
The specific objective of the discipline	Acquiring the necessary skills to perform treatment techniques regarding endodontic microsurgery.		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
12. Indications and contraindications for endodontic microsurgery	2
13. Microsurgical instruments	2
14. Anesthesia and Hemostasis	2
15. Soft tissue anatomy	2
16. Flap design in endodontic microsurgery	2
17. Osteotomy, resection, curretage and hemostasis	2
18. Ultrasonic root end preparation	2
19. MTA and Bioceramic root end filling materials	4
20. Surgical root perforation repair	4

21. Cone beam computed tomography	4
22. Prognosis of endodontic microsurgery	2

Minimal bibliography

4. Microsurgery in endodontics – Syngcuk Kim, samuel Kratcman, Ed. Wiley Blackwell, 2017
5. Microsurgical Endodontics – Arnaldo Castellucci, Elio Berruti, Ed. Edra, 2019
6. Course support 2025-2026 (PPTX format)

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

Emphasize the importance of staying updated with the latest research and best practices in endodontics. Define a competency framework that reflects the skills and knowledge expected of professionals in the field. This could include procedural skills in microsurgery, patient assessment, and comprehensive treatment planning. Highlight the need for collaboration with other healthcare professionals. Discuss ethical dilemmas that may arise in endodontic practices, particularly in microsurgical interventions. Align this with the ethical guidelines provided by professional associations to ensure students are prepared for real-world challenges. Encourage students to engage with current literature and ongoing research. Address the importance of communication skills in managing patient expectations, particularly for complex procedures like microsurgery. Offer training on counseling patients about risks, benefits, and post-operative care.

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Interactive teaching programmed; video projected lecture supplement; learning through projects. Introducing and presenting notions through the use of pictures, schematics, drawings on digital platform.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**80 %**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**20%**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E:
The final examination consists of a written assignment related to a topic from the syllabus presented.

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
Students must demonstrate basic understanding of dental anatomy and physiology. They should be able to describe the role of endodontics in preserving natural teeth. Participation in foundational discussions on the importance of microsurgical tools is required.	Students must show proficiency in identifying and explaining endodontic pathology. Participation in foundational discussions on the importance of microsurgical tools is required Submission of a research-based report on advancements in endodontic microsurgery is mandatory.

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Lecturer PhD Cosac Dana

Laboratory holder,
-

Date of approval in the Department
17.09.2025

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Management of Iatrogenesis in Fixed Prosthetics**					
Didactic function, name and surname of the course holder	**Assoc. Prof. PhD Bogdan-Andreescu Claudia-Florina**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 5.9.13**	The formative category of the discipline		**RD**		
Academic year	**V**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**C9**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**Op**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**2**	Of which course hours	**2**	seminary / laboratory / clinical internship	**0**
Total hours of the curriculum	**28**	Of which course hours	**28**	seminary / laboratory / clinical internship	
		Total hours per semester	**50**		

Distribution of Time	**22 hours**
1. Deciphering and studying course notes	4
2. Study after textbook, course support	2
3. Study of the indicated minimum bibliography	2
4. Additional documentation in the library	0
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	3
7. Preparation of control papers	3
8. Preparation of oral presentations	0
9. Preparation of final exam	4
10. Consultations	1
11. Documentation on the field	0
12. Documentation on the Internet	2

13. Tutoriing	0
14. Examinations	1
15. Other activities	0

The name of the course	**Management of Iatrogenesis in Fixed Prosthetics**		
Professional competencies specific to the discipline	- Understanding of iatrogenesis: Define, classify, and explain the causes and consequences of iatrogenic complications in fixed prosthodontics. - Integration of disciplines: Demonstrate knowledge of periodontics, endodontics, occlusion, and biomaterials as they relate to prosthodontics. - Evidence-based practice: Critically appraise literature on prosthodontic complications and incorporate best practices into clinical decision-making.		
Transversal competencies	1. Cognitive competencies - Communicate effectively with patients about esthetic expectations, risk factors, and maintenance protocols. - Collaborate with dental laboratory technicians as equal partners in ensuring prosthetic success. - Engage in reflective practice by analyzing one's own clinical outcomes to reduce recurrence of errors. 2. Affective-value competencies - Building relationships with patients and medical staff. - Effective communication with patients. - Coordination and communication with dental technicians.		
The general objective of the discipline	To anticipate potential iatrogenic risks during treatment planning and design preventive strategies.		
The specific objective of the discipline	- Apply critical thinking to select appropriate materials and methods that reduce biological and mechanical risks. - Communicate effectively with dental technicians through prescriptions, photographs, and digital data. - Evaluate impressions, casts, dies, and CAD/CAM outputs for accuracy. - Integrate digital dentistry tools (scanners, CAD software, virtual articulators) to minimize laboratory-related errors.		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry,	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for

	using classical or digital methods/techniques.		practicing the profession of dentist.

The content of the course – Analytical Syllabus	No. hours
1. Introduction to Iatrogenesis in Dentistry	2
2. Fundamentals of Fixed Prosthodontics	2
3. Etiology and Classification of Iatrogenic Errors	2
4. Diagnostic Pitfalls Leading to Iatrogenesis	2
5. Iatrogenic Soft Tissue Trauma	2
6. Iatrogenic Pulpal and Endodontic Complications	2
7. Iatrogenic Errors in Tooth Preparation	2
8. Laboratory-Related Iatrogenesis	2
9. Occlusal Iatrogenesis in Fixed Prosthodontics	2
10. Prosthesis-Induced Periodontal Problems	2
11. Prosthesis Fractures and Material Failures	2
12. Esthetic Iatrogenesis	2
13. Prevention of Iatrogenesis in Fixed Prosthetics	2
14. Case-Based Reviews and Future Directions	2

Minimal bibliography

8. Management of Iatrogenesis in Fixed Prosthetics - Course Handouts, PDF format, current year of study 2025-2026.
9. Parameters of Care for the Specialty of Prosthodontics. Journal of Prosthodontics 2020, 29, 3-147.
10. Gerova-Vatsova T, Peev S, Yotsova R. The relationship between periodontal health and fixed prostethic restorations. Journal of IMAB–Annual Proceeding Scientific Papers 2023, 29(4), 5174-5177.
11. Shtewi S, Alhouri N, Kanout S. A Survey to Assess The Failure in Crowns and Fixed Partial Dentures: An In Vivo Study. Int J Prosthodont. 2023. doi:10.11607/ijp.8632
12. Fouad M, Allam, E. Failures in Fixed Dental Prostheses: A Clinical Survey on Causes and Longevity. Journal of Dental Science Research Reviews & Reports. SRC/JDSR-195. 2024, (6), 167, 2-4.
13. Faour Y, Abed D, Alhouri, N. Assessment of Iatrogenic Damage to Adjacent Teeth After Applying Different Prevention Methods: A Cross-Sectional Study. Cureus 2024, 16(10).
14. LakshmanaRao Bathala, Udayabhanu K, Jayalakshmi K. “Iatrogenic” Failures in Prosthodontics- A Review. IJMRSET, Volume 7, Issue 12, December 2024.

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

The discipline of Management of Iatrogenesis in Fixed Prosthetics is an important component of dentistry education. A prosthodontist competent in managing iatrogenesis should be able to identify risks and errors early, prevent harm by adhering to biological, mechanical, and esthetic principles, correct complications when they arise, communicate openly with patients and colleagues.

Mode of transmission of information:

Forms of activity	Teaching methods used
Course	- Multimedia projection of the course, according to the analytical curriculum. - Interactive programmed education is used to form the practical skill of the accumulated theoretical notions.

For the final grade is taken into account	Total = 100%

- the answer at the exam / final evaluation	**50 %**
- continuing testing during the semester	**20 %**
- activity like homework / reports / essay / translation / projects etc.	**30 %**
- other activity	**0 %**

Describe the practical ways of final assessment, E: descriptive written work that evaluates the acquisition and understanding of theoretical concepts and the way of thinking (50% of the final grade).

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• passing the test, • making the essay, • knowledge of the basic concepts regarding iatrogenesis in fixed prosthetics, minimum grade 5 on the final evaluation.	• in-depth knowledge of the concepts iatrogenesis in fixed prosthetics, • attendance at the course, • activity at the course.

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Assoc. Prof. PhD Bogdan-Andreescu Claudia-Florina

Date of approval in the Department
17.09.2025

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	MANAGEMENT OF IATROGENESIS IN MOBILE PROSTHETICS					
Didactic function, name and surname of the course holder	**Assoc.prof.Ph.D Banateanu Andreea Mariana**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 5.10.14**	The formative category of the discipline		**RD**		
Academic year	**V**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**V**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**Op**	Number of credits		**2**
* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*						

Number of hours per week	**2**	Of which course hours	**2**	seminary / laboratory / clinical internship	**-**
Total hours of the curriculum	**28**	Of which course hours	**28**	seminary / laboratory / clinical internship	**-**

	Total hours per semester	**50**		
Distribution of Time				**22 hours**
1. Deciphering and studying course notes				4
2. Study after textbook, course support				4
3. Study of the indicated minimum bibliography				2
4. Additional documentation in the library				2
5. Specific training activity seminar and / or laboratory				0
6. Achievement homework, reports, essay, translations etc				4
7. Preparation of control papers				2
8. Preparation of oral presentations				2
9. Preparation of final exam				2
10. Consultations				0
11. Documentation on the field				0
12. Documentation on the Internet				0
13. Tutoriing				0
14. Examinations				0
15. Other activities				0

The name of the course	**Management of iatrogenesis inn endodontics**
Professional competences specific to the discipline	Understanding causes and mechanisms of iatrogenic complications in removable prosthodontics. Ability to identify and prevent tissue, occlusal, and functional iatrogenic injuries during prosthetic treatment. Applying evidence-based strategies for diagnosis, prevention, and management of complications. Ethical and medico-legal awareness regarding patient safety and prosthetic rehabilitation.

Transversal competencies	Development of analytical thinking, communication, and continuous improvement in clinical decision-making. Encouraging collaboration and professional responsibility in prosthodontic practice.		
The general objective of the discipline	To develop theoretical and practical competence in identifying, preventing, and managing iatrogenic complications related to the design, fabrication, and maintenance of removable prostheses, ensuring patient comfort, safety, and long-term prosthetic success.		
The specific objective of the discipline	• Identify common iatrogenic causes in mobile prosthetics. • Apply preventive and corrective measures to minimize iatrogenic effects. • Master impression and occlusal recording techniques to prevent soft tissue trauma. • Evaluate and manage mucosal, functional, and occlusal complications. • Demonstrate ethical and legal awareness in prosthodontic care.		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	No. Hours
1.Introduction to Iatrogenesis in Dentistry	2
2. Etiology and Pathophysiology of Iatrogenic Injuries	2

3. Anatomical Considerations in Mobile Prosthetics	2
4. Iatrogenic Errors in Impression Taking	2
5. Jaw Relation Recording Errors	2
6. Laboratory Sources of Iatrogenesis	2
7. Iatrogenic Mucosal Lesions and Ulcers	2
8. Occlusal Disharmony and Temporomandibular Joint (TMJ) Disorders	2
9. Iatrogenesis Related to Retention and Stability Problems	2
10. Aesthetic and Phonetic Iatrogenesis	2
11. Prevention of Iatrogenic Effects During Clinical Stages	2
12. Management of Chronic Iatrogenic Lesions	2
13. Legal and Ethical Aspects of Iatrogenesis	2
14 Clinical Case Discussions and Complication Management	2
Minimal bibliography 1.Zarb GA, Hobkirk JA, Eckert SE, Jacob RF. Prosthodontic Treatment for Edentulous Patients. 2. Boucher CO. Boucher's Prosthodontic Treatment for Edentulous Patients. 3. Sharry JJ. Complete Denture Prosthodontics. 4. Selected current articles on iatrogenic complications in prosthodontics. 5. Course support 2025-2026 (PPTX format).	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
Emphasize the importance of staying updated with the latest research and best practices in prosthetics. Define a competency framework that reflects the skills and knowledge expected of professionals in the field. Corroborating the contents of the discipline with the expectations of the epistemic community, professional associations, and healthcare employers involves ensuring that the curriculum aligns with current scientific evidence, ethical standards, and practical demands of the health sector. This alignment guarantees that students acquire competencies that are relevant, recognized, and applicable in real-world clinical settings.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Interactive teaching programmed; video projected lecture supplement; learning through projects. Introducing and presenting notions through the use of pictures, schematics, drawings on digital platform.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**80 %**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**0 %**
- activity like homework / reports / essay / translation / projects etc.	**20%**
- other activity	**0 %**

Describe the practical ways of final assessment, E:
The final examination consists of a written assignment related to a topic from the syllabus presented.

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)

• Demonstrate basic understanding of prosthetic anatomy and function. • Identify common causes of iatrogenic effects in removable prosthodontics. • Explain preventive steps in impression taking and prosthesis fitting.	Students must show proficiency in identifying and explaining prosthetic pathology. Demonstrates comprehensive and in-depth understanding of all aspects related to iatrogenesis, including advanced concepts, emerging risks, and innovative prevention strategies. Anticipates potential iatrogenic events through meticulous planning and risk assessment. Implements preventive measures proactively, significantly reducing the occurrence of errors. Demonstrate comprehensive understanding of iatrogenesis prevention and management.

Date of completion

12.09.2025

Director of the Department,

Prof. PhD Comăneanu Raluca Monica

Course holder,	Laboratory holder,
Assoc. prof. PhD Banateanu Andreea Mariana	**-**

Date of approval in the Department

17.09.2025

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**MANAGEMENT OF IATROGENESIS IN ENDODONTICS**					
Didactic function, name and surname of the course holder	**Lecturer PhD Cosac Dana**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 5.10.15**	The formative category of the discipline		**RD**		
Academic year	**V**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**V**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**Op**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**2**	Of which course hours	**2**	seminary / laboratory / clinical internship	**-**
Total hours of the curriculum	**28**	Of which course hours	**28**	seminary / laboratory / clinical internship	**-**
		Total hours per semester	**50**		

Distribution of Time	**22 hours**
1. Deciphering and studying course notes	4
2. Study after textbook, course support	4
3. Study of the indicated minimum bibliography	2
4. Additional documentation in the library	2
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	4
7. Preparation of control papers	2
8. Preparation of oral presentations	2
9. Preparation of final exam	2
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	0
15. Other activities	0

The name of the course	**Management of iatrogenesis inn endodontics**		
Professional competences specific to the discipline	A deep understanding of tooth and root canal anatomy is essential for accurately performing treatments while minimizing the risk of iatrogenic events. Selecting appropriate tools, maintaining them, and executing precise procedures to avoid common errors such as perforations and over-instrumentation. Developing the capability to foresee potential complications and implementing strategies to prevent them. This includes pre-assessment of patient-specific risks and thoughtful procedural planning. Understanding the ethical and legal dimensions of dental practice, including patient rights, professional responsibilities, and the implications of iatrogenic events.		
Transversal competencies	Skills and abilities that are applicable across various areas of professional practice and are essential for comprehensive and ethical patient care. These competencies facilitate adaptability, communication, and continuous improvement.		
The general objective of the discipline	This involves fostering a comprehensive understanding of the causes and consequences of iatrogenesis, promoting adherence to best practices, and enhancing patient safety and treatment outcomes through evidence-based strategies and ethical clinical decision-making. Ultimately, the discipline aims to improve the quality of endodontic care by minimizing procedural errors and enhancing professional competence.		
The specific objective of the discipline	Identify the most common causes and types of iatrogenic events during endodontic treatments. Develop skills to prevent procedural errors through proper technique, planning, and use of technology. Apply diagnostic and therapeutic approaches to manage and rectify iatrogenic complications effectively. Foster critical thinking and decision-making abilities to minimize risks and improve patient safety. Promote ethical practice and clear communication with patients regarding potential risks and outcomes related to endodontic procedures.		
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 dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyses, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1. Introduction to Iatrogenesis in Endodontics	2
2. Common Causes of Iatrogenic Events in Endodontics	2
3. Diagnostic Techniques to Prevent Iatrogenesis	2
4. Instrument Selection and Handling	2
5. Preventing Procedural Errors: Access Opening and Cleaning	2

6. Management of Instrument Fracture	2
7. Handling Root Perforations	2
8. Addressing Over-Instrumentation and Over-Obturation	2
9. Post-Operative Complications and Management	2
10. The Role of Continuing Education and Training	2
11. Regenerative Endodontics and Iatrogenesis	2
12. Legal and Ethical Considerations in Endodontic Iatrogenesis	2
13. Case Studies and Real-world Applications	4

Minimal bibliography

7. Theodor Lambrianidis, Management of fractured endodontic instruments – A clinical guide, 2018
8. Priyanka Jain, Common complications in Endodontics, prevention and management, second edithion, 2024
9. Course support 2025-2026 (PPTX format)

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

Emphasize the importance of staying updated with the latest research and best practices in endodontics. Define a competency framework that reflects the skills and knowledge expected of professionals in the field. Corroborating the contents of the discipline with the expectations of the epistemic community, professional associations, and healthcare employers involves ensuring that the curriculum aligns with current scientific evidence, ethical standards, and practical demands of the health sector. This alignment guarantees that students acquire competencies that are relevant, recognized, and applicable in real-world clinical settings.

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Interactive teaching programmed; video projected lecture supplement; learning through projects. Introducing and presenting notions through the use of pictures, schematics, drawings on digital platform.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**80 %**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**20%**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E:
The final examination consists of a written assignment related to a topic from the syllabus presented.

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
Students must demonstrate basic understanding of dental anatomy and physiology. Identify the most common causes and types of iatrogenic events during endodontic treatments Clearly explaining procedures, risks, and post-treatment care to patients. Effectively documenting clinical findings and treatment plans.	Students must show proficiency in identifying and explaining endodontic pathology. Demonstrates comprehensive and in-depth understanding of all aspects related to iatrogenesis, including advanced concepts, emerging risks, and innovative prevention strategies. Anticipates potential iatrogenic events through meticulous planning and risk assessment. Implements preventive measures proactively, significantly reducing the occurrence of errors.

Date of completion
12.09.2025

Director of the Department,
Prof. PhD Comăneanu Raluca Monica

Course holder,
Lecturer PhD Cosac Dana

Laboratory holder,
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Date of approval in the Department
17.09.2025