DISCIPLINE FILE

1. Data about the programme

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

2. Data about the discipline

2.1.	Name of the discipline in the educational plan: PROFESSIONAL PRACTICE				
2.2.	Discipline code: MD05PP16EN				
2.3.	Discipline type (FD/SD/CD): SD				
2.4.	Discipline regimen (COD/ED/FAD): COD				
2.5.	Lectures tenure: -				
2.6.	Practical activities tenure: Prof. univ. dr. Bogdan Dimitriu				
2.7. Year of study	V	2.8. Semester	X	2.9. Type of evaluation (E/CV)	C

3. Estimated total time (hours/ semester of teaching and training activity /individual study)

I. Pregătire universitară (predare, aplicare practică, evaluare)						
3.1. Nr hours/week	40 hours	From which:	3.2. curs	0	3.3. practical class/ seminar	40 hours
3.4. Total hours in study curriculum	160 hours	From which:	3.5. curs	0	3.6. practical class/ seminar	160 hours
Evaluation (nr. of hours): 2 hours						
II. Preparation/ individual study						
Time allocation						hours
Study of lecture materials, textbooks, books, study of the minimum recommended bibliography						0
Additional research activity in the library, on online platforms						0
Specific preparation activities for projects, practical classes, assignments, reports						0
Preparation for presentations or evaluations, preparation for the final examination						0
Tutoring activity						0
Other activities						0
3.7. Total hours of individual study						0
3.8. Total hours per semester (3.4.+3.7.)			160			
3.9. Number of credits			2			

4. Prerequisites (where appropriate)

4.1. curriculum	Knowledge of: - anatomy and physiology - microbiology, immunology - cariology, periodontology - instruments and materials used in orthodontics and dentofacial orthopedics, periodontology, dental prosthetics, and endodontics - orthodontic semiology - analysis of static dental occlusion and specific paraclinical investigations in orthodontics and dentofacial orthopedics - anesthesia and dentoalveolar surgery - fixed prosthetics and complete dentures - dental instruments used in prophylactic and curative treatment
4.2. proficiencies	Must be familiar with: - the preparation of the patient's clinical record (chart) - clinical and paraclinical examination methods for patients with periodontal disease - the characteristics and usage of instruments and materials employed in periodontology - specific oral pathologies requiring prosthetic treatment, in relation to other oral conditions (caries, periodontal disease, dentofacial anomalies) - types of prosthetic restorations and the specific conditions for their fabrication; the patient's pathway through the dental prosthetics service - the preparation of documentation and the patient's clinical record for fixed prosthetics, complete dentures, and overdentures - the understanding, assessment, and execution of clinical procedures involved in conventional prosthetic treatments - the characteristics and usage of instruments and materials employed during endodontic treatment - clinical examination (facial, functional, intraoral) in Orthodontics and Dentofacial Orthopedics - analysis of study models: arch shape and symmetry, dental arch development indices (Pont's indices), and the analysis of static occlusion on the model - dental anomalies

5. Conditions (where appropriate)

5.1. for lecture activity	
5.2. for practical class / seminar activity	**Location and Organization:** The internship takes place in private dental practices and clinics that have entered into an internship agreement with the University and have been approved by the Dean's Office, in accordance with the UMFCD regulations for the organization and conduct of specialized internships. Student placement is managed by the faculty member responsible for the internship. Students must report to their assigned internship site

	presenting the official letter issued by the Dean's Office, accompanied by an evaluation form. **Supervision:** Activities are carried out under the direct guidance and supervision of an internship mentor at the medical facility, strictly within the scope of the student's current level of training. The faculty member responsible for the internship oversees the activities, collects the evaluation forms, and reviews the internship logbooks. **Attendance:** Attendance is mandatory. Absences must be justified in accordance with university regulations, and any missed time must be made up in order to be eligible for the final assessment (colloquium). **Required Personal Equipment:** A clean white lab coat, an internship logbook, and writing instruments. **Safety and Conduct Standards:** Punctuality; adherence to occupational health and safety regulations, hygiene protocols, and infection prevention measures; compliance with the medical facility's internal regulations, respect for patient rights, and maintenance of patient data confidentiality. Only anonymized data may be used in the internship logbook.

6. Learning outcomes

Knowledge	Skills	Responsibility and autonomy
Describes periodontal, pulpal, and periapical pathology, forms of tooth loss (edentulism), and dentomaxillary anomalies, including their clinical manifestations and paraclinical diagnostic features. Explains the indications and principles for periodontal, endodontic, fixed and removable prosthetic, and orthodontic treatments. Is familiar with the instruments and materials used in periodontology, endodontics, dental prosthetics, and orthodontics. Is familiar with the clinical and imaging-based criteria for evaluating treatment outcomes. Is familiar with the functions of the dentomaxillary apparatus, their role in growth and development, as well as the principles of prevention and oral health education.	Performs, under supervision, the clinical examination of the patient and completes the patient record specific to each specialty. Formulates periodontal, endodontic, prosthetic, and orthodontic diagnoses based on clinical and paraclinical data, and participates in the development of the treatment plan. Performs, under supervision, preventive and therapeutic procedures: disclosing bacterial plaque, assessing periodontal indices, supra- and subgingival scaling, taking impressions, and analyzing study models. Assists the dentist during the clinical stages of endodontic, prosthetic, and orthodontic treatments, and prepares the necessary instruments and materials. Interprets routine imaging investigations and evaluates treatment outcomes.	Acts responsibly, within the scope of their training level and the competencies delegated by their clinical supervisor, and seeks assistance when necessary. Upholds patient safety, infection prevention standards, ethical principles, and data confidentiality. Communicates effectively with the patient and the medical team - including the dental laboratory - and correctly navigates clinical workflows and procedures. Identifies situations requiring an interdisciplinary approach and integrates knowledge acquired during their studies into clinical practice. Evaluates their own performance, utilizes feedback received, and demonstrates a commitment to continuous professional development and evidence-based practice.

7. Discipline objectives (correlated with learning outcomes)

7.1. General objective	The specialized clinical internship aims to consolidate theoretical knowledge and develop the practical skills of fifth-year students in the Dentistry program - specifically in the fields of periodontology,

	prosthodontics, endodontics, and orthodontics and dentofacial orthopedics - through participation in supervised clinical activities, including patient examination, diagnosis, treatment planning, and the performance of clinical procedures appropriate to the students' level of training.
7.2. Specific obiectives	- To recognize pathological conditions affecting the components of the dentomaxillary apparatus. - To apply clinical and paraclinical investigation methodologies in periodontics, endodontics, prosthodontics, and orthodontics. - To conduct, under supervision, the patient's medical history (anamnesis) and clinical examination, and to complete the patient's clinical record. - To participate in establishing the diagnosis and treatment plan, as well as in the clinical stages of treatment. - To effectively utilize instruments and materials for periodontal, endodontic, prosthetic, and orthodontic treatments. - To perform, under supervision, preventive and therapeutic procedures appropriate to their level of training. - To analyze the functions of the dentomaxillary apparatus, their role during growth, and the consequences of functional pathology on its development. - To communicate effectively with the patient and the medical team, and to correctly navigate clinical workflows and procedures.

8. Contents

Methods of delivery: Clinical presentation, demonstration, participation/observation, performing procedures under supervision, case discussion. Periodontology 40 hours, Prosthodontics 40 hours, Endodontics 40 hours, Orthodontics and dentofacial orthopedics 40 hours. Total: 160 hours
1. Clinical examination of patients with periodontal disease, using specific diagnostic instruments. 2. Recognition of symptoms specific to periodontal pathology. 3. Formulation of a diagnosis regarding periodontal status based on clinical and paraclinical findings; interpretation of study models and radiographic images. 4. Assessment of oral hygiene status, disease severity, and periodontal treatment needs (plaque and calculus indices, CPITN index, periodontal pocket depth, pathological tooth mobility). 5. Clinical identification of supragingival and subgingival bacterial plaque. 6. Performance—under supervision—of bacterial plaque removal and supragingival/subgingival scaling, using both manual and ultrasonic instruments. 7. Familiarity with specialized instruments used for periodontal surgical procedures and occlusal equilibration. 8. Participation in synthesizing clinical and paraclinical examination results and developing a treatment plan; understanding the indications for and principles of periodontal treatment. 9. Clinical and radiographic evaluation of the outcomes of periodontal treatments. 10. Examination of patients with partial, subtotal, or complete edentulism; recognition of clinical manifestations, progression, and complications associated with tooth loss. 11. Establishment of a diagnosis for tooth loss based on clinical and paraclinical data. 12. Analysis of types of prosthetic solutions and alternatives, as well as the indications for fixed and removable prosthetic treatment (complete dentures, overdentures) using conventional methods. 13. Use of examination instruments and specialized tools for fixed and removable prosthetic treatments and occlusal equilibration. 14. Knowledge of materials used in conventional fixed and removable prosthetics. 15. Participation in the clinical stages of conventional fixed prosthetics and the performance - under supervision - of specific clinical procedures (making impressions, recording intermaxillary relations, fitting provisional restorations).

16. Participation in the clinical stages of conventional removable prosthodontics and correlating these with the corresponding stages in the dental laboratory.
17. Identification of immediate and delayed prosthetic complications and potential remedies, including those involving the dental laboratory.
18. Clinical and imaging-based assessment of the outcomes and progression of conventional fixed and removable prosthetic treatments.
19. Clinical examination of patients with endodontic pathology, using specialized diagnostic instruments.
20. Establishing an endodontic diagnosis based on the symptoms of pulpal and periapical pathology, as well as clinical and paraclinical investigations.
21. Contributing to the synthesis of diagnostic findings and the development of a treatment plan; understanding the indications and principles of endodontic treatment.
22. Preoperative evaluation of the feasibility of performing a proper endodontic treatment.
23. Familiarity with the instruments and materials used during the various stages of endodontic treatment, and their preparation.
24. Assessing whether pulpal inflammation is reversible or irreversible; understanding the indications and principles of conservative, biologically - based pulp treatment.
25. Assisting the dentist in the treatment of irreversible pulpal inflammation via partial or total pulp extirpation.
26. Assisting the dentist in the orthograde endodontic treatment of acute and chronic periapical pathology.
27. Clinical and imaging-based assessment of endodontic treatment outcomes. 28. Understanding the organization of an orthodontics and dentofacial orthopedics service: the orthodontic team, the workflow between the clinical office and the laboratory, and patient record-keeping.
29. Completing orthodontic-specific patient charts.
30. Performing a facial examination of the patient from frontal and lateral views (using anthropometric landmarks and facial planes).
31. Conducting an intraoral examination and a functional assessment.
32. Taking alginate impressions (under supervision) and analyzing study models, including arch shape and symmetry, Pont's indices, and static occlusion.
33. Performing a basic interpretation of specific paraclinical investigations (orthopantomography, teleradiography).
34. Identifying dental malpositions and dentomaxillary anomalies and participating in the establishment of an orthodontic diagnosis.
35. Familiarity with removable and fixed orthodontic appliances, and assisting the clinician during the clinical stages of appliance placement and follow-up.
36. Instructing patients on oral hygiene and the use of orthodontic appliances.

Recommended bibliography:

1. The course taught at the department of Periodontology for fifth-year dental students.
2. Sanz M, Herrera D, Kebschull M, et al; On behalf of the EFP Workshop Participants and Methodological Consultants. Treatment of stage I-III periodontitis -The EFP S3 level clinical practice guideline. J Clin Periodontol. 2020; 47: 4-60. https://doi.org/10.1111/jcpe.13290
3. The course taught at the department of Prosthodontics for fifth-year dental students.
4. Seminar notes in the department of Prosthodontics for fifth-year dental students.
5. The course taught at the department of Endodontics for fifth-year dental students.
6. Torabinejad M, Fouad A, Shabahang S. Endodontics: Principles and Practice, 7th Edition. Elsevier, 2026.
7. The course taught at the department of Orthodontics and dentofacial orthopaedics for fifth-year dental students.

9. Assessment

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage of final grade
9.4. Lecture			
9.5. Practical activities	Assessment of the acquisition of practical concepts	Written exam with multiple choice questions	100%
9.5.1. Individual project (if any)			

9.6. Minimum performance standard

In accordance with the regulations for the organization and conduct of specialized clinical practice at UMFCD, passing the course is contingent upon successfully completing the clinical practice component as a mandatory requirement for participation in the final colloquium. Successful completion entails full attendance during the clinical practice, as well as:
- a clinical practice logbook that is fully completed and signed by the clinical supervisor;
- a minimum grade of 5 in the assessment of clinical practice activities;
- a minimum grade of 5 in the final colloquium.

Students with unexcused absences are not permitted to take the colloquium; they are required to make up the missed activities and complete their clinical practice logbook, with the option to sit for the colloquium during a subsequent session.

Minimum knowledge and skills

Basic knowledge concerning:
- examination of patients with periodontal disease; clinical and paraclinical assessment of periodontal status (identification of bacterial plaque and biofilm, objective clinical indices, imaging); removal of bacterial plaque, gingival debridement, and supra- and subgingival scaling (manual and ultrasonic), performed under supervision;
- examination of patients with partial, subtotal, or total edentulism; clinical and paraclinical evaluation for the purpose of establishing a diagnosis and treatment plan; understanding the logical sequence of clinical and laboratory stages for conventional fixed and removable restorations;
- examination of patients with endodontic pathology; diagnosis of pulpal and periapical conditions through clinical and paraclinical investigations; principles and sequential stages of endodontic treatment; instrumentation and materials used in endodontic procedures;
- performance of facial and intraoral examinations of the patient; differentiation between primary and permanent teeth; criteria for normal and pathological static occlusion; recognition of malpositions and dental and dentomaxillary anomalies.

Date of completion
20.07.2026

Signature of the person in charge of the specialized internship

Date of endorsement by the Department Council:
06.11.2026

Signature of the Department Director
Professor Ionescu Ecaterina, PhD