"Carol Davila" University of Medicine and Pharmacy Bucharest
Quality Assurance Committee

DISCIPLINE SHEET

1. Study programme

1.1.	"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST
1.2.	FACULTY OF DENTISTRY
1.3.	DEPARTMENT 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. Discipline

2.1.	Name of the discipline in the educational plan: PROFESSIONAL PRACTICE				
2.2.	Discipline code: MD04PP15EN				
2.3.	Discipline type (FD/SD/CD): SD				
2.4.	Discipline regimen (COD/ED/FAD): COD				
2.5.	The holder of the course activities:				
2.6.	The holder of the seminar activities: Prof.dr. Bodnar Dana				
2.7. Year of study	IV	2.8. Semester	VIII	2.9. Evaluation (E/C/V)	C

3. Total estimated time (hours/semester of didactic activity an self preparation/study

I. Academic training (teaching, practical application, assessment)						
3.1. Nr hours/week	40 hours	from which:	3.2. lecture		3.3. seminary/ laboratory	40 hours
3.4. Total hours in the study curriculum	160 hours	from which:	3.5. lecture		3.6. seminary/ laboratory	160 hours
Evaluation (nr. of hours) : 2 ore						
II. Self preparation/study						
Time allocation						hours
Study of course materials, textbooks, books, study of the recommended minimal bibliography						
Additional research in the library, research through the internet						
Performing specific activities for preparing projects, laboratories, elaborating reviews or other tasks						
Specific preparation activities for projects, laboratory work, assignments, and reports						
Tutoring						
Other activities						
3.7. Total hours of individual study						
3.8. Total hours per semester (3.4.+3.7.)						160
3.9. Number of credits						2

4. Preconditions (where applicable)

4.1. of curriculum	Fundamental knowledge acquired in preclinical subjects studied in previous years Notions of biochemistry, biophysics, histology, physiology Notions of morphology and physiology of the dento-maxillary apparatus Dental materials, dental prosthesis technology, treatment of coronal lesions by fixed single-tooth prostheses, notions of dental occlusion Notions of cariology and restorative therapy of dental lesions Notions regarding the materials and techniques for making coronal restorations Notions about dental instruments used in prophylactic and curative treatment
4.2. of competences	To know the materials and instruments used in oral and maxillofacial surgery To know the materials and instruments used in restorative dentistry To know the materials and instruments used in dental prosthetics To know the materials and instruments used in pedodontics

5. Conditions (where applicable)

5.1. to conduct the practical activities	**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 may be excused in accordance with university regulations; however, any missed time must be made up in order to be eligible for the final assessment. **Required Personal Equipment**: A clean white lab coat, an practical logbook, and writing instruments. **Safety and Conduct Standards**: Punctuality is required. Students must adhere to occupational health and safety standards, hygiene protocols, and infection prevention measures. Furthermore, students must comply with the internal regulations of the medical facility, respect patient rights, and ensure the confidentiality of patient data; only anonymized data may be used in the practical logbook.

6. Learning outcomes

Knowledge	Skills	Responsibility and autonomy
K1: Describe the specific features of examining a patient with oral and maxillofacial surgical conditions, as well as	S1: Conducts clinical examinations, completes patient records, and participates in establishing diagnoses and treatment plans.	RA1: Acts responsibly, within the scope of their training level and the competencies delegated by the clinical

the correlations between the medical history (anamnesis), clinical examination, and paraclinical investigations. K2: Demonstrate knowledge of local anesthetic agents, their indications, contraindications, techniques for local and loco-regional anesthesia and tooth extraction, as well as the potential accidents and complications associated with these procedures. K3: Describe the etiology, clinical forms, diagnosis, and treatment of carious and non-carious dental lesions, including tooth discolorations. K4: Describe the methodology for examining a partially edentulous patient, the diagnosis of partial edentulism, and the stages of treatment using fixed partial dentures. K5: Describe the process of tooth eruption, as well as the specific aspects of diagnosing and treating simple and complicated caries in primary teeth and immature permanent teeth.	S2: Correctly uses specific instruments and methods for isolating the operating field. S3: Assists the dentist with local and loco-regional anesthesia as well as tooth extractions, and identifies associated accidents and complications. S4: Performs under direct supervision procedures in restorative dentistry and fixed prosthodontics, including direct restorations using adhesive materials, impression taking, recording occlusal relations, and the placement of provisional restorations. S5: Applies under supervision caries prevention methods for children and adolescents (such as oral hygiene indices and preventive resin restorations) and assists in the treatment of dental caries and pulpitis in primary teeth and immature permanent teeth.	supervisor, and search for assistance when necessary. RA2: Sustains patient safety, infection prevention standards, ethical principles, and data confidentiality. RA3: Recognizes emergency situations, including accidents and complications related to anesthesia or tooth extraction and alerts the clinical supervisor. RA4: Communicates effectively with patients (including pediatric patients and their accompanying persons), the healthcare team, and the dental laboratory. RA5: Evaluates their own performance, utilizes feedback received, and demonstrates a commitment to continuous professional development and evidence-based practice.

7. Course objectives (aligned with the learning outcomes)

7.1. General objective	The professional practice aims to consolidate theoretical knowledge and develop the practical skills of fourth-year students in the Dentistry program. This cover the fields of anesthesia and dento-alveolar surgery, restorative dentistry, fixed prosthodontics, and pediatric dentistry, 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 objectives	- To approach patients with oral and maxillofacial surgical conditions, including taking a medical history, conducting a general and local/regional physical examination, and correlating these findings with paraclinical investigations for diagnosis and differential diagnosis. - To know local and regional anesthesia techniques, simple tooth extraction procedures, and the management of associated accidents and complications. - To utilize methods for the detection and diagnosis of carious and non-carious dental lesions. - To apply, under supervision, direct restorative treatment techniques using adhesive materials, including non-invasive and minimally invasive approaches. - To examine partially edentulous patients, establish a diagnosis of edentulism, and formulate treatment options involving fixed partial dentures. - To participate in the preparation of abutment teeth and, under supervision, perform clinical procedures for fixed partial denture treatment, such as making

	impressions of the prosthetic field, recording occlusal relationships, and placing provisional restorations. - To understand the process of tooth eruption, the specific diagnostic and treatment considerations for simple and complicated caries in primary teeth and immature permanent teeth, and to apply preventive measures. - To act responsibly, uphold patient safety, ethics, and confidentiality, and communicate effectively with both the patient and the medical team.

8. Contents

Methods: clinical presentation, demonstration, participation/assistance, performance of procedures under direct supervision, case discussion. Total: 160 hours (40 hours for each discipline).
Anesthesia and Sedation in Dentistry (40 hours)
1. Indications and contraindications of local anesthetics and vasoconstrictor corrective substances used in dentistry, depending on the patient's status and the intervention to be performed
2. Knowledge and use of instruments for local and loco-regional anesthesia, for dental extraction, for methods assisting endodontic treatment and preprosthetic surgery, as well as for the treatment of periodontal infectious processes
3. Local and loco-regional anesthesia techniques in dentistry (topical anesthesia, infiltration, intraligamentary, peripheral truncal anesthesia)
4. Emergency attitude in local accidents and complications of loco-regional anesthesia in dentistry as well as in general accidents of loco-regional anesthesia in dentistry
5. Dental extraction techniques (for temporary, permanent, monoradicular and pluriradicular teeth; extraction of root remnants; extraction by alveolotomy; extraction with root separation) surgical methods assisting endodontic treatment and preprosthetic surgery, as well as the treatment of periosseous suppurations
6. Surgical methods assisting endodontic treatment and preprosthetic surgery, as well as the treatment of periosseous suppurations
7. Emergency attitude in case of accidents and complications of tooth extraction
Operative Dentistry (40 hours)
1. Patient assessment, examination, diagnosis and treatment planning.
2. Overview of the dental instruments and equipment for exploring, tooth preparation and restoration, ergonomics data. Moisture control methods (instruments and techniques).
3. Noninvasive, microinvasive and minimally invasive treatment protocol of the carious and non-carious lesions
4. Direct treatment protocol of carious lesions
5. Direct treatment protocol of non-carious lesions
6. Dentinal hypersensitivity: etiology, clinical signs, positive and differential diagnosis, treatment
7. Dentin’s sealing and protection of the pulp
8. Classification of the coronal restorative materials. Interim restorative materials. Adherent restorative materials (features and clinical implications)
Dental prosthetics (40 hours)
1. Methodology of examining the partially edentulous patient, establishing the diagnosis of partial edentulism, associated morpho-functional disorders and diagnosis of intermaxillary (occlusal) relationships
2. Design and staging of the prosthetic treatment plan, establishing the treatment solution through fixed partial prostheses (dental bridges)
3. Knowledge and use of the instrumentation used in dental prosthetics (abrasive instrumentation, instruments, equipment and auxiliary materials)
4. Methods of preparing abutment teeth for fixed partial prosthetics (preparations for cast full metal crowns, partial metal crowns, mixed metal-ceramic or metal-polymer crowns, all-ceramic crowns)
5. Methods of specific preparation of teeth with extensive coronal lesions in surface and depth; Coronal/corono-radicular restoration of endodontically treated teeth
6. Impression taking methods for fixed partial dentures (materials, techniques)
7. Methods for determining, recording and transferring the mandibular-maxillary occlusion relationship
8. Provisional and emergency prosthetics in partially edentulous patients treated with fixed partial dentures

Pedodontics (40 hours)
1. Tooth eruption, tooth recognition on models
2. Instruments, clinical examination and oral hygiene and gingival bleeding indices
3. Prophylactic treatment in children and adolescents
4. Diagnosis and treatment of simple caries
5. Preventive resin fillings
6. Diagnosis and treatment of pulpitis
7. Peculiarities of pulp treatment in immature permanent teeth (apexogenesis, apexification)
Recent bibliography:
1. Anesthesia and Sedation in Dentistry 4th Year Course 2. Restorative Odontotherapy 4th Year Course 3. Carlos Rocha Gomes Torres, Modern Operative Dentistry: Principles for Clinical Practice, Springer International Publishing, 2020 4. Sturdevant's Art and Science of Operative Dentistry" Eight edition, Andre V. Ritter, Lee W. Boushell, Ricardo Walter; Editura Elsevier, 2025 5. Prosthodontics 4th Year Course 6. Rosenstiel, S.F., M.F. Land, and J. Fujimoto, Contemporary fixed prosthodontics. 2016, Elsevier,: St. Louis, Missouri 7. Shillingburg, H.T. and D.A. Sather, Fundamentals of fixed prosthodontics. 4th ed. 2012, Hanover Park, IL: Quintessence Pub 8. Pedodontics 4th Year Course

9. Evaluation

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage of final grade
9.4. Seminary/ practical activity	Assessment of the acquisition of practical concepts	Written exam with multiple choice questions and/or essay questions	55%
	Evaluation of the activity carried out during the professional internship	The internship supervisor's assessment in the evaluation form and the review of the internship logbook	45%

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—a mandatory requirement for participation in the final colloquium. Successful completion demand 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:
- a fundamental understanding of clinical concepts required for establishing an oral and maxillofacial (OMF) surgical diagnosis, as well as knowledge of local anesthesia techniques, tooth extraction procedures, and the principles of surgical treatment;
- a fundamental understanding of the diagnosis and treatment of carious and non-carious dental lesions;
- a fundamental understanding of the diagnosis and treatment of partial edentulism using fixed partial dentures;
- a fundamental understanding of the clinical stages involved in the dental treatment of children and adolescents;
- the ability to perform a clinical examination and complete a patient record (chart) under supervision, while adhering to hygiene standards, infection prevention protocols, and confidentiality requirements.

Date of completion:
20.07.2026

Signature of the person responsible of professional practice

Prof. Dr. Dana Bodnar

Date of approval by the Department Council:
06.11.2026
06.11.2026

Signature of the Department Director

Professor Ionescu Ecaterina, PhD