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 I**
1.4.	**DISCIPLINE: SPECIALTY PRACTICAL TRAINING**
1.5.	**FIELD OF STUDY: Health – Sectorally regulated within the European Union**
1.6.	**STUDY CYCLE: BACHELOR'S DEGREE (LICENȚĂ)**
1.7.	**STUDY PROGRAMME: DENTAL MEDICINE**

2. Data about the discipline

2.1.	**Name of the discipline in the curriculum: SPECIALTY PRACTICAL TRAINING**				
2.2.	**Discipline code: MD03PS15**				
2.3.	**Discipline type (FD/SD/CD): SD**				
2.4.	**Discipline regimen (MD/OPD/FAD): MD**				
2.5.	**Holder of the lecture activities**: Not applicable				
2.6.	**Coordinator:** Lecturer Dr. Mihaela Pantea				
2.7. Year of study	**III**	**2.8. Semester**	**VI**	**2.9. Type of evaluation (E/C)**	**C**

3. Total estimated time (hours/semester of didactic activity and individual preparation/study)

I. Academic training (teaching, practical application, assessment)						
3.1. No. of hours per week	**40**	**of which:**	**3.2. lecture**	**-**	**3.3. practical activities**	**40**
3.4. Total hours in the curriculum	**160**	**of which:**	**3.5. lecture**	**-**	**3.6. practical activities**	**160**
Evaluation (no. of hours) : 2						
II. Individual preparation/study						
Time allocation						**hours**
Study of course materials, textbooks and books; study of the recommended minimal bibliography						0
Additional documentation in the library and on the internet						0
Specific preparation activities for projects and laboratory work; preparation of assignments and reports						0
Preparation for presentations or assessments; preparation for the final examination						0
Consultations						0
Other activities						0
3.7. Total individual study hours						**0**
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	Students must have the fundamental knowledge acquired in the preclinical disciplines studied in previous years: - Basic notions of biochemistry, biophysics, histology and physiology. - Basic notions of the morphology and physiology of the dento-maxillary system. - Fundamental notions of dental materials and of dental prosthesis technology.
4.2. of competences	Students must have basic / minimal knowledge of the equipment and instruments used in prosthodontics and in restorative odontotherapy.

5. Conditions (where applicable)

5.2. for conducting the practical activities	**Location and organisation:** Practical training takes place in private dental offices and clinics that have concluded a practical training agreement with the University, approved by the Dean's Office, in accordance with the Regulation on the organisation and conduct of specialty practical training at UMFCD. Students are allocated by the teaching staff member responsible for practical training. Students report to the training site on the basis of the letter issued by the Dean's Office, accompanied by the evaluation form. **Supervision:** The activity is carried out under the guidance and direct supervision of the practical training supervisor at the healthcare unit, strictly within the limits of the student's level of training. Coordination of the activity, collection of the evaluation forms and checking of the practical training logbooks are the responsibility of the teaching staff member responsible for practical training. **Attendance:** Attendance at practical training is mandatory. Absences are excused in accordance with the university regulations, and making up for them is required in order to sit the colloquium. **Mandatory personal equipment:** clean white coat, practical training logbook and writing instruments. **Safety and conduct rules:** punctuality; compliance with occupational safety, hygiene and infection prevention rules; compliance with the internal regulations of the healthcare unit, with patients' rights and with the confidentiality of their data; only anonymised data may be recorded in the practical training logbook.

6. Learning outcomes

Knowledge	Skills	Responsibility and autonomy
C1: Describes the aetiology, symptoms and clinical forms of dental caries and of non-carious dental lesions (fractures, abfractions, erosion, attrition, abrasion).	**A1:** Uses the specific instruments and applies, under supervision, the methods for detecting dental lesions and assessing caries activity.	**RA1:** Identifies the objectives, resources and stages of each procedure and assumes their role in the dental team, within the limits of their own competence.
C2: Explains the methods for the detection and diagnosis of dental lesions and for caries risk assessment.	**A2:** Assists the dentist in cavity preparation, pulp-dentin protection and direct restoration, and prepares the restorative materials.	**RA2:** Ensures patient safety and complies with infection prevention rules, ethics and data confidentiality.
C3: Describes the principles of direct restorative treatment: conventional and modified cavity preparation, pulp-dentin protection, non-adhesive and adhesive materials, enamel-dentin adhesion.	**A3:** Assists the dentist in examining the patient for fixed prosthodontic treatment, in tooth preparation and in recording occlusal relationships.	**RA3:** Communicates effectively with the patient and colleagues and collaborates in interdisciplinary activities.
C4: Describes the principles of tooth preparation for single-tooth fixed prosthetic restorations and of the restoration of endodontically treated teeth, as well as the reference mandibular positions and movements.	**A4:** Performs, under supervision, isolation of the operative field, the alginate impression, the study cast and its mounting in the semi-adjustable articulator.	**RA4:** Uses information sources efficiently and applies theoretical knowledge in clinical practice, with a commitment to professional development.

7. Objectives of the discipline (correlated with the learning outcomes)

7.1. General objective	Specialty practical training aims to consolidate the theoretical knowledge and develop the practical skills of third-year students in the Dental Medicine study programme regarding the diagnosis and direct restorative treatment of dental lesions and single-tooth fixed prosthodontic treatment, including the clinical examination of occlusion and the application of functional criteria, through participation in supervised clinical activity.
7.2. Specific objectives	- To apply the clinical examination protocol of the patient for identifying dental lesions and for planning direct restorative or single-tooth fixed prosthodontic treatment. (C1, C2, A1, A3) - To use the methods for the detection and diagnosis of dental lesions and for caries risk assessment, and to know the methods of caries prevention. (C1, C2, A1)

	- To know the instruments, materials and equipment used in restorative odontotherapy and in fixed prosthodontics. (C3, C4, A2) - To assist in the stages of direct restorative treatment: isolation of the operative field, cavity preparation, pulp-dentin protection, restoration with non-adhesive and adhesive materials. (C3, A2, A4) - To assist in tooth preparation for monolithic and layered crowns and onlays, and in the restoration of endodontically treated teeth with extensive coronal destruction. (C4, A3) - To apply, under supervision, the techniques for examining mandibular positions and movements and for recording occlusal contacts. (C4, A3) - To make, under supervision, the alginate impression, the study cast and its mounting in the semi-adjustable articulator. (A4) - To act responsibly, ensuring patient safety, ethics and confidentiality, and to collaborate effectively within the dental team. (RA1, RA2, RA3, RA4)

8. Contents

Practical activity	Teaching methods	Observations
1. Assisting in the clinical examination of the patient for planning and initiating treatment with single-tooth fixed prostheses, and making, under supervision, the alginate impression to obtain the study cast.	Guided observation, demonstration, participation/assisting, supervised practice (impressions, occlusal records, articulator mounting), case discussion	8 hours.
2. Assisting in tooth preparation for monolithic metal crowns, all-ceramic crowns, layered crowns and ceramic onlays, as well as for the restoration of endodontically treated teeth with extensive coronal destruction.		32 hours. The student assists the dentist; the student does not prepare teeth.
3. Assisting in the clinical examination of the fundamental mandibular positions (rest position, centric relation/CR and maximum intercuspation/MI); learning the techniques and materials for recording occlusal contacts in MI and CR, under the guidance of the tutor.		16 hours.
4. Assisting in the examination and recording of mandibular movements of mouth opening / closing, protrusion and laterotrusion.		16 hours.
5. Learning the structure and functioning of dental articulators and assisting in mounting study		8 hours.

casts in the semi-adjustable articulator.		
6. Assisting in the clinical examination of the patient for identifying dental hard tissue lesions, using specific instruments and detection and diagnostic methods; identifying secondary marginal caries and recurrent caries; assessing caries activity and applying current prevention methods, under the guidance of the tutor.		16 hours.
7. Assisting in the preparation of conventional cavities and of modified cavities for adhesive restorations, with correct use of the instruments for preparation, material placement, crown contouring, shaping and finishing.		24 hours. The student assists the dentist; the student does not prepare cavities.
8. Learning the methods of isolating the operative field in restorative odontotherapy.	Demonstration, supervised practice	8 hours.
9. Assisting in the pulp-dentin protection stage.	Demonstration, participation/assisting	16 hours.
10. Assisting in the direct restorative treatment of vital teeth with non-adhesive and adhesive materials: learning the techniques, the properties / indications of the materials and the principles of enamel-dentin adhesion.	Demonstration, participation/assisting, case discussion	16 hours.

Recommended bibliography:

1. Lecture notes – Restorative Odontotherapy, 3rd year, 2026–2027.
2. Marcov E.C., Bodnar D.C., Marcov N. – Restorative Odontotherapy. Treatment protocols for dental lesions, Editura Universitară „Carol Davila”, București, 2020.
3. Ritter A.V. – Sturdevant's Art and Science of Operative Dentistry, 8th Edition, Mosby, 2025.
4. Lecture notes – Fixed Prosthodontics and Occlusion, 3rd year, 2026–2027.
5. Rosenstiel S.F. et al. – Contemporary Fixed Prosthodontics, 6th Edition, Elsevier, St. Louis, Missouri, 2023, ISBN: 9780323720892.
6. The Glossary of Prosthodontic Terms 2023: Tenth Edition. J Prosthet Dent, 2023;130(4 Suppl 1):e1–e3.

9. Evaluation

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage of the final grade
9.4. Practical activity	Assessment of the knowledge acquired	Final colloquium: written multiple-choice exam-test and/or open-ended questions	55%

	Assessment of the activity carried out during the specialty practical training	Practical training supervisor's assessment in the evaluation form and checking of the practical training logbook	45%

9.5. Minimum performance standard

In accordance with the Regulation on the organisation and conduct of specialty practical training at UMFCD, passing the discipline is conditional on passing the practical training activity, which is a mandatory requirement for sitting the final colloquium. Passing requires full attendance at practical training and:
- a complete practical training logbook signed by the practical training supervisor;
- a minimum grade of 5 in the assessment of the practical training activity;
- a minimum grade of 5 in the final colloquium.

Students with unexcused absences are not admitted to the colloquium; they must make up the outstanding activity and complete their practical training logbook, and may sit the colloquium in a subsequent session. Minimum knowledge and skills: elementary knowledge of the notions required for the diagnosis and treatment of teeth with dental lesions, using direct and indirect restorative materials and techniques; performing, under supervision, isolation of the operative field and the alginate impression; compliance with hygiene, infection prevention and confidentiality rules.

Date of completion:

Signature of the specialty practical training coordinator

Date of approval by the Department Council:
09.11.2026

Signature of the Department Director
Professor Imre Marina, PhD