"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 DENTISTRY II
1.4.	DISCIPLINE ORAL AND MAXILLOFACIAL SURGERY
1.5.	STUDY DOMAIN: Health, sectoral regulated within the European Union
1.6.	STUDY LEVEL: I (Bachelor's degree) and II (Master's degree)
1.7.	STUDY PROGRAMME: DENTAL MEDICINE IN ENGLISH

2. Discipline

2.1.	Discipline name according to the study curriculum: ANESTHESIOLOGY AND SEDATION IN DENTISTRY. ORAL AND MAXILLOFACIAL SURGERY I				
2.2.	Discipline code: MD04S08EN				
2.3.	Discipline type (FD/SD/CD): SD				
2.4.	Discipline optionality (COD/ED/FAD): COD				
2.5.	Lectures tenure: Assoc.prof.dr. Vladan George-Cristian				
2.6.	Practical classes / seminar tenure:				
2.7. Year of study	IV	2.8. Semester	8th	2.9. Evaluation (E/C/V)	E

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

I. University training						
3.1. Number of hours per week	6	from which:	3.2. lecture	2	3.3. practical class/ seminar	4
3.4. Total hours in the study curriculum	84	from which:	3.5. lecture	28	3.6. practical class/ seminar	56
II. Preparation/ individual study						
Time distribution						hours
Study of lecture materials, textbooks, books, study of the minimum recommended bibliography						30
Additional documentation activity in the library, on online platforms						15
Specific preparation activities for projects, practical classes, preparation of assignments, reports						5
Preparation for presentations or evaluations, preparation for the final examination						3
Tutoring activity						10
Other activities						3
3.7. Total hours of individual study						66
3.8. Total hours per semester (3.4.+3.7.)						150
3.9. Number of credits						5

4. Prerequisites (where appropriate)

4.1. curriculum	Fundamental knowledge from preclinical subjects studied in previous years.
4.2. proficiencies	Knowledge of materials and instruments used in oral and maxillofacial surgery, as well as management of the surgical patient.

5. Conditions (where appropriate)

5.1. for lecture activity	Lecture hall with minimum 70 seats, computer, video projector/interactive board.
5.2. for practical class/ seminar activity	Clinical training rooms with dental chairs, specific instruments and materials for anesthesia and tooth extraction; anesthesia and extraction simulators

6. Learning outcomes*

Knowledge	Skills	Responsibility and autonomy
The student acquires, describes, analyzes, and evaluates specialized knowledge of the dento-maxillary apparatus, dental pathology, maxillary and oral tissues, dental and dentoalveolar anomalies, congenital malformations, as well as principles of diagnosis and treatment (preventive, interceptive, and curative) in dentistry, using both classical and digital methods/techniques	The student develops supervised clinical experience, progressively performing practical and clinical procedures during the years of study, ensuring acquisition of the professional competencies (knowledge, skills, and abilities) required for the dental profession.	The student integrates and applies specialized competencies necessary for the prevention, diagnosis, and treatment of anomalies and diseases of the teeth, jaws, and associated tissues. They critically evaluate, analyze, differentiate, interpret, and use the accumulated knowledge, skills, and responsibilities in order to acquire the competencies required for practicing dentistry.

7. Discipline objectives (correlated with learning outcomes)

7.1. General objective	Understanding the particularities of diagnosis and treatment in oral and maxillofacial surgery.
7.2. Specific objectives	The student should be able to: - Understand the approach to patients with oral and maxillofacial surgical conditions (collecting anamnesis, performing general and local examinations, formulating clinical interpretation).

	- Know the techniques of local anesthesia and simple tooth extraction, as well as the management (operative steps and techniques) of adverse events and complications associated with local anesthesia and tooth extraction.

8. Contents

8.1. Lecture	**Teaching methods**	**Observations**
Past and present in oral and maxillofacial surgery. Scope and pathology of OMF surgery.	Interactive presentation of the material according to the analytical curriculum using multimedia.	
Local anesthetics and vasoconstrictors used in dental medicine: properties, dosages.		
Techniques of regional anesthesia in dental medicine: topical, infiltration, intraligamentary, plexus, peripheral nerve block (maxilla/mandible).		
Local adverse events and complications of regional anesthesia: etiology, clinical forms, symptoms, treatment.		
Systemic adverse events of regional anesthesia: etiology, clinical signs, treatment.		
Tooth extraction: general concepts, indications, contraindications.		
Extraction techniques for different tooth groups; special techniques.		
Adverse events of tooth extraction: causes, prevention, treatment.		
Complications of tooth extraction: etiology, clinical features, treatment.		
Surgical methods adjunctive to endodontic therapy.		
Preprosthetic surgical methods for soft tissue deficiencies.		
Preprosthetic surgical methods for bone deficiencies. Pre-implant surgical treatment (augmentative osteoplasties, sinus lift).		
Eruption disturbances. Tooth impaction.		

Periosteal infections. Inhalation sedation in dentistry.		
Recent bibliography: 1. Bucur A (ed.): *Compendium of Oral and Maxillofacial Surgery* (including dentoalveolar surgery and oral/maxillofacial surgery) – Vol. I. Carol Davila University Press, Bucharest, 2025. 2. Lecture notes.		
8.2. Practical classes/ seminar	**Teaching methods**	**Observations**
Techniques of anesthesia for maxillary teeth.		
Techniques of anesthesia for mandibular teeth.		
Presentation of extraction instruments.		
Case discussions: extraction with root separation and alveolotomy.		
Anesthesia and extraction in patients with systemic diseases – hypertension, ischemic heart disease, myocardial infarction.		
Anesthesia and extraction in patients with systemic diseases – renal and hepatic conditions.		
Anesthesia and extraction in patients under antiplatelet/anticoagulant therapy.		
Anesthesia and extraction in patients on antiresorptive therapy, or post-radiotherapy/chemotherapy.		
Adverse events and complications of tooth extraction.		
Case presentations illustrating indications and contraindications of apicoectomy.		
Case presentations of apicoectomy – flap designs in adjunctive endodontic surgery; accidents and complications.		
Case presentations of tooth impaction – anesthesia and odontectomy techniques.		
Case presentations of periosteal abscesses – anesthesia and treatment principles.		
Discussion of indications and contraindications of inhalation		

sedation in dentistry and OMF surgery.		
Recent bibliography: Bucur A (ed.): *Compendium of Oral and Maxillofacial Surgery* – Vol. I. Carol Davila University Press, Bucharest, 2025.		

9. Assessment

Activity type	**9.1. Evaluation criteria**	**9.2. Evaluation methods**	**9.3. Percentage of final grade**
9.4. Lecture	Mastery of information, ability to apply and transfer knowledge to new situations.	Examination (applied assessment).	100%
9.5. Practical classes/ seminar	Completion of proposed bibliography; correct assimilation and efficient use of presented information; active participation in clinical training.	Portfolio assessment.	0%
9.5.1. Individual project (if any)	-	-	-
Minimum performance standard			
Knowledge of anesthesia and extraction instruments, anatomical landmarks for anesthesia, and tooth extraction techniques.			