



DISCIPLINE SHEET

1. Study programme

1.1.	"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST				
1.2.	FACULTY OF DENTISTRY				
1.3.	DEPARTMENT II				
1.4.	DISCIPLINE INTERNAL MEDICINE				
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: MEDICAL SEMIOLOGY				
2.2.	Discipline code: MD02S02EN				
2.3.	Discipline type (FD/SD/CD): SD				
2.4.	Discipline optionality (COD/ED/FAD): COD				
2.5.	Lectures tenure: Professor Laura Carina TRIBUS, MD, PhD				
2.6.	Practical classes / seminar tenure: Professor Laura Carina TRIBUS, MD, PhD				
2.7. Year of study	II	2.8. Semester	III	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	4	from which:	3.2. lecture	2	3.3. practical class/ seminar	2
3.4. Total hours in the study curriculum	28	from which:	3.5. lecture	14	3.6. practical class/ seminar	14
II. Preparation/ individual study						
Time distribution						hours
Study of lecture materials, textbooks, books, study of the minimum recommended bibliography						25
Additional documentation activity in the library, on online platforms						15
Specific preparation activities for projects, practical classes, preparation of assignments, reports						13
Preparation for presentations or evaluations, preparation for the final examination						3
Tutoring activity						4
Other activities						2
3.7. Total hours of individual study						62
3.8. Total hours per semester (3.4.+3.7.)						90
3.9. Number of credits						3

4. Prerequisites (where appropriate)

4.1. curriculum	<p>Anatomy: knowledge of the structure of organs and systems (e.g., cardiovascular, respiratory, digestive systems).</p> <p>Physiology: understanding the normal functions of the body (e.g., hemodynamics, ventilation, metabolism).</p> <p>Biochemistry and Cell Biology: the foundations of metabolic processes and cellular regulation.</p> <p>Basic concepts of Genetics and Immunology.</p> <p>Pathophysiology: the main pathogenic mechanisms involved in the onset of various medical diseases – all of these being indispensable for understanding the theoretical basis of Medical Semiotics.</p>
4.2. proficiencies	<p>Basic practical skills:</p> <ul style="list-style-type: none"> – correct use of the stethoscope, sphygmomanometer, thermometer, and pulse oximeter – ability to communicate appropriately with hospitalized patients from the very first clinical placement – basic knowledge of medical terminology in Romanian and medical Latin (for understanding semiological terminology)

5. Conditions (where appropriate)

5.1. for lecture activity	Lecture hall with minimum 70 seats, computer, video projector
5.2. for practical class/ seminar activity	Hospital wards, clinical laboratory, radiology unit, ultrasound room

6. Learning outcomes*

Knowledge	Skills	Responsibility and autonomy
<p>The student/graduate is able to</p> <ul style="list-style-type: none"> – identifies, describes, and evaluates etiopathogenic mechanisms, – recognizes the main symptoms, signs, and syndromes in medical semiotics, – possesses basic therapeutic knowledge, in accordance with the 	<p>The student/graduate is able to:</p> <ul style="list-style-type: none"> – recognizes and differentiates the general health status and/or disease state of patients admitted to the Internal Medicine Department; – demonstrates, adapts, and integrates the theoretical knowledge and practical skills necessary to assess the disease state, using specific clinical and paraclinical methods and techniques (performs basic practical maneuvers useful in the clinical examination of the patient). 	<p>The student/graduate is able to:</p> <ul style="list-style-type: none"> – obtains the patient's consent for taking medical history and further examination; – demonstrates respect, empathy, and discretion toward the patient; – maintains patient data confidentiality; – seeks help when their own knowledge is insufficient; – shows openness to collaboration with colleagues and teaching staff from the very first days of the clinical placement;

pathogenic mechanisms involved.		– integrates the suggestions received from them into personal and professional development.

7. Discipline objectives (correlated with learning outcomes)

7.1. General objective	The course and practical clinical placement in medical semiology aim to present the general and specific data of each organ system, from the perspective of signs, symptoms, and syndromes, with the goal of developing the necessary skills for clinical examination, performing a complete and thorough medical history, and gaining practical experience in patient interaction..
7.2. Specific objectives	At the end of the clinical placement, students must be able to: – correctly take a medical history; – recognize the symptoms and signs of diseases and classify them into syndromes; – perform the main maneuvers of the physical examination; – independently perform electrocardiograms for hospitalized patients, accurately measure blood pressure, central and peripheral pulse, as well as oxygen saturation; – know the normal and pathological values of blood and urine tests.

8. Contents

8.1. Lecture	Teaching methods	Observations
Lecture 1 DEFINITION OF SEMIOLOGY. Its object of study. Diagnosis. Symptom. Sign. Syndrome. The observation sheet – general data, reasons for admission, family history, personal history – physiological; pathological; anamnesis. State of consciousness. Position. Nutritional status. Facies. Semiology of the eyes.	Interactive delivery of the course content in line with the syllabus, supported by multimedia resources, PowerPoint presentations, and educational videos.	
Lecture 2 GENERAL SIGNS – Examination of the skin, mucous membranes, nails and hair. Notions of dental semiology. Edema. Semiology of superficial lymph nodes.		
Lecture 3 RESPIRATORY SYSTEM: SYMPTOMS, SIGNS, CLINICAL EXAMINATION.		

Lecture 4 RESPIRATORY SYNDROMES CARDIOVASCULAR SYSTEM – symptoms		
Lecture 5 CARDIOVASCULAR SYSTEM: clinical examination, specific syndromes		
Lecture 6 DIGESTIVE SYSTEM: symptoms, signs, clinical examination		
Lecture 7 DIGESTIVE SYSTEM: symptoms, signs specific to hepatic, biliary, splenic, and pancreatic pathology, clinical examination URINARY SYSTEM: symptoms, signs, syndromes		

Recent bibliography:

1. **Lecture notes**
2. **Medical Semiotics and Differential Diagnosis**, Ion I. Bruckner, Medical Publishing House, 2021
3. **Bates. History and Clinical Examination** – Pocket Guide, Dr. Lynn S. Bickley, ALL Publishing House, 2023
4. **DeGowin's Diagnostic Examination**, Richard Leblond, Donald Brown, Manish Sunej, McGraw-Hill Education, August 2020
5. **Medical Emergencies in the Dental Office**, Stanley F. Malamed, Elsevier, 2023
6. **SEIDEL'S Physical Examination Handbook, 10th Edition**, Jane W. Ball, Joyce E. Dains, John A. Flynn, Barry S. Solomon, Rosalyn W. Stewart, Elsevier, 2022

8.2. Practical classes/ seminar	Teaching methods	Observations
LP 1 Presentation of the medical record. Symptom, sign, syndrome. Diagnosis	Theoretical and practical training in patient examination techniques, by systems and organs, using: <ul style="list-style-type: none"> - direct clinical examination - educational videos - PowerPoint presentations 	- Attendance at seminars and practical sessions is mandatory, and all unexcused absences must be recovered; - Absences are to be recovered under the supervision of a faculty member, after 2:00 p.m., during the assigned duty hours of the day.
LP 2 General physical examination – inspection, palpation, percussion, auscultation		
LP 3 Examination of the skin, mucous membranes, eyes, nails and hair, lymph nodes		

LP 4 Main respiratory symptoms. Clinical examination of the respiratory system		
LP 5 Main cardiovascular symptoms. Clinical examination of the cardiovascular system. Blood pressure measurement		
LP 6 Objective examination of the oral cavity and abdomen. Clinical examination of the liver, pancreas, and spleen		
LP 7 Clinical examination of the renal system		
Recent bibliography:		
7. Lecture notes 8. Medical Semiotics and Differential Diagnosis , Ion I. Bruckner, Medical Publishing House, 2021 9. Bates. History and Clinical Examination – Pocket Guide, Dr. Lynn S. Bickley, ALL Publishing House, 2023 10. DeGowin's Diagnostic Examination , Richard Leblond, Donald Brown, Manish Sunej, McGraw-Hill Education, August 2020 11. Medical Emergencies in the Dental Office , Stanley F. Malamed, Elsevier, 2023 12. SEIDEL'S Physical Examination Handbook, 10th Edition , Jane W. Ball, Joyce E. Dains, John A. Flynn, Barry S. Solomon, Rosalyn W. Stewart, Elsevier, 2022		

9. Assessment

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage of final grade
9.4. Lecture	<p>Requirements for a passing grade (5): Written examination: - Multiple-choice questions covering comprehensive topics, designed to assess the logical integration of the material taught, spanning all major chapters - Correctly answering at least 50% of these questions</p> <p>Requirements for the highest grade (10):</p>	Written examination	80%

	Correctly answering at least 90% of the multiple-choice questions and, in addition, developing a written essay on a topic drawn from the course content		
9.5. Practical classes/seminar	<p>Requirements for a passing grade (5): Demonstrating the ability to perform an accurate medical history (anamnesis) and to correctly classify the patient's symptoms and signs</p> <p>Requirements for the highest grade (10): Demonstrating the ability to perform practical maneuvers specific to the major systems and organs, according to established standards with which students are expected to be familiar</p>	<p>Oral practical assessment</p> <p>Note: Students who do not complete the practical assessment are not permitted to participate in the written examination</p>	20%
9.5.1. Individual project (if any)	-	-	-
Minimum performance standard			
Mastery of at least half of the fundamental concepts presented in the lectures, demonstrated in the written assessment, as well as competence in at least half of the required practical maneuvers and techniques.			