



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: INTERNAL MEDICINE				
2.2.	Discipline code: MD03S11EN				
2.3.	Discipline type (FD/SD/CD): SD				
2.4.	Discipline optionality (COD/ED/FAD): COD				
2.5.	Lectures tenure: Prof. Laura Carina TRIBUS, M.D., Ph. D.				
2.6.	Practical classes / seminar tenure: Prof. Laura Carina TRIBUS, M.D., Ph. D.				
2.7. Year of study	III	2.8. Semester	VI	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						14
Additional documentation activity in the library, on online platforms						8
Specific preparation activities for projects, practical classes, preparation of assignments, reports						4
Preparation for presentations or evaluations, preparation for the final examination						3
Tutoring activity						2
Other activities						1
3.7. Total hours of individual study						32
3.8. Total hours per semester (3.4.+3.7.)						60
3.9. Number of credits						2

4. Prerequisites (where appropriate)

4.1. curriculum	<p>Anatomy: comprehensive understanding of the structure of organs and systems (e.g., cardiovascular, respiratory, digestive systems).</p> <p>Physiology: understanding the normal physiological functions of the human body (e.g., hemodynamics, ventilation, metabolism).</p> <p>Biochemistry and Cell Biology: fundamental principles of metabolic processes and cellular regulation.</p> <p>Genetics and Immunology: basic concepts essential for medical understanding.</p> <p>Pathophysiology: principal pathogenic mechanisms underlying the development of various medical conditions.</p> <p>Medical Semiology: acquisition of skills in medical history-taking and objective clinical examination – all of which are indispensable for a thorough theoretical and practical understanding of Internal Medicine.</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 in Medical Semiology).

5. Conditions (where appropriate)

5.1. for lecture activity	Lecture hall with a capacity of minimum 70 seats, computer, overhead projector
5.2. for practical class/ seminar activity	Hospital wards, clinical laboratory, radiology and ultrasound offices

6. Learning outcomes*

Knowledge	Skills	Responsibility and autonomy
<p>The student/graduate:</p> <ul style="list-style-type: none"> – identifies, describes, and evaluates etiopathogenic mechanisms; – recognizes the main symptoms, signs, and syndromes in Internal Medicine; 	<p>The student/graduate:</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 	<p>The student/graduate:</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;

<ul style="list-style-type: none"> – establishes stage, positive, and differential diagnoses; – possesses therapeutic knowledge in accordance with the pathogenic mechanisms involved. 	state, using specific clinical and paraclinical methods and techniques, including performing basic practical maneuvers useful in the clinical examination of the patient.	<ul style="list-style-type: none"> – 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; – 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 placement in Internal Medicine 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 skills necessary for clinical examination, performing a complete and thorough medical history, and gaining practical experience in patient interaction, thereby enabling the student to establish a positive diagnosis and a therapeutic approach adapted to the patient's comorbidities.
7.2. Specific objectives	At the end of the clinical placement, students must be able to: <ul style="list-style-type: none"> – 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; – establish the primary diagnosis, secondary diagnoses, and differential diagnoses; – determine the optimal therapeutic approach for the patient.

8. Contents

8.1. Lecture	Teaching methods	Observations
1. RESPIRATORY DISORDERS: Acute tracheobronchitis, Chronic Obstructive Pulmonary Disorder (COPD), Pneumonia. Lung abscess	The interactive presentation of the material according to the syllabus, using multimedia means, power point presentations, movies related to the teaching activity.	
2.RESPIRATORY DISORDERS: Pulmonary TB. Lung cancer.		
3.CARDIOVASCULAR DISORDERS: Mitral and aortic valvulopathy. Bacterial endocarditis. Arrhythmia.		

4.CARDIOVASCULAR DISORDERS: Ischemic heart disease. Heart failure. High blood pressure.		
5.DIGESTIVE DISORDERS: Gastroesophageal reflux disease. Ulcer. Crohn’s disease. Colon cancer		
6.DIGESTIVE DISORDERS: Chronic hepatitis. Cirrhosis. Jaundice.		
7.MAIN RENAL, HEMATOLOGIC AND RHEUMATIC DISORDERS WITH IMPLICATIONS IN DENTAL PRACTICE		
8.2. Practical classes/ seminar	Teaching methods	Observations
LP 1. The examination of the patient with pathology specific to Internal Medicine. The Observation Chart.	Depending on the cases of hospitalized patients, the practical internship approaches the exact data regarding the diagnosis, evolution and treatment principles for the aforementioned disorders. The weekly records of the hospitalized patients allow the coverage of all the practical aspects of the pathology presented throughout the lectures.	– Attendance at Seminars/Practical Classes is mandatory, and all unexcused absences must be made up. – Absences will be made up under the supervision of a teaching staff member, after 2:00 p.m., during that day’s duty hours.
LP 2. The assessment of the patient suffering from pleuropulmonary disorders; anamnesis, clinical examination, diagnosis, treatment. Case presentations		
LP 3. The cardiac patient – Clinical and paraclinical evaluation. Case presentations.		
LP 4. The cardiac patient – specific treatment, dental considerations in patients suffering from cardiovascular diseases. Case presentations		
LP 5. The clinical and imaging assessment of patients suffering from digestive disorders. Digestive disorder-specific treatment. Case presentations.		
LP 6. Clinical examination, investigation and diagnosis in patients with renal disorders. Treatment. Clinical cases		
LP 7. Oral-dental implications in case of internal medicine diseases.		
Recent bibliography: 1. The current lecture 2. Tratat de Medicină Internă. Vol. 1, sub redacția I Bruckner, Editura Medicală, 2024 3. Medicină Internă. Patologie respiratorie, cardiovasculară și hematologică. Laurențiu Solodoc. Editura Sedcom Libris. 2023		

4. **Harrison. Principiile Medicinei Interne.-** Ediția a 19-a. Volumele 1 și 2. Dan L. Longo, Anthony Fauci. Editura ALL, **2021**
5. **Manualul OXFORD de Medicină Clinică.** Ian B. Wilkinson. Tim Raine. Anna Goodhart. Catriona Hall. Harriet O'Neill. Editura Prior. **2019**
6. **General Medicine and Surgery for Dental Practitioners**, third edition, Mark Greenwood, John G. Meechan, Springer Nature Switzerland AG **2019**
7. **Implicații practice ale bolilor cardiovasculare în medicina dentară** - Florin Mitu, Iulia-Cristina Roca, Mihai Roca, Casa Editorială Demiurg, Iași, **2013**
8. **Date medicale esențiale** - Marc M. Sabatine, Lippincott Williams & Wilkins, **2016**
9. **Publicații periodice:**
Romania Journal of Internal Medicine
New England Journal of Medicine

9. Assessment

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage of final grade
9.4. Lecture	Requirements for grade 5: Written examination: - multiple choice questions involving extended topics aiming at assessing the logical acquisition of the taught information. The topics cover all the main chapters. - solving 50% of the questions Requirements for grade 10: Solving 90% of the questions, plus a written subject from the topics taught in the lectures.	Written examination Multiple choice questions -30 questions -One correct answer	90%
9.5. Practical classes/ seminar	Requirements for grade 5 The ability to make a correct anamnesis and to accurately classify the signs and the symptoms of the patients Requirements for grade 10: The ability to perform some maneuvers specific to the body systems – there is a classification of them and the students must be familiar with it.	Oral practical examination	10%
9.5.1. Individual project (if any)			
Minimum performance standard			
The recognition of the most common signs and symptoms specific to the main clinical syndromes of Internal Medicine in order to decide upon the most appropriate therapeutic plans for the patients with various medical pathologies.			