



**“CAROL DAVILA” UNIVERSITY  
OF MEDICINE AND PHARMACY BUCHAREST**  
Faculty of Dentistry  
Dental Medicine in English



## DISCIPLINE GRID

### 1. Data about the Program

1.1.	<b>“CAROL DAVILA” UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST</b>
1.2.	<b>THE FACULTY OF DENTISTRY / DEPARTMENT II</b>
1.3.	Discipline: <b>INTERNAL MEDICINE</b>
1.4.	Field of study: <b>Healthcare – Regulated regionally within the European Union</b>
1.5.	Type of study: <b>UNDERGRADUATE STUDIES</b>
1.6.	Program of study: <b>DENTAL MEDICNE IN ENGLISH</b>

### 2. Data about the Discipline

2.1.	Name of the discipline/ required subject of the Discipline: <b>INTERNAL MEDICINE</b>						
2.2.	Location of the Discipline: <b>THE COUNTY EMERGENCY CLINICAL HOSPITAL ILFOV</b>						
2.3.	The tenured professors of the lectures: <b>Prof. Laura Carina TRIBUS, M.D., Ph. D.</b>						
2.4.	The tenured professors of the practical activities: <b>Prof. Laura Carina TRIBUS, M.D., Ph. D.</b> <b>Lecturer Gabriela Anca ANGELESCU, M.D., Ph. D.</b> <b>Assist. Lecturer Corina COSTACHE, M.D., Ph. D.</b> <b>Assist. Lecturer Andreea Maria CALAPOD, M.D., Ph. D.</b> <b>Assist. Lecturer Francisc Iohann BACH, M.D., Ph. D.</b>						
2.5.	<b>III</b>	2.6.	<b>VI</b>	2.7.	<b>Exam</b>	2.8.	<b>CD/DD</b>
Year of study		Semester		Assessment type		Discipline type	

### 3. Overall estimated time (hours/ semester of teaching activity)

No. of hours/ week	<b>2</b>	Out of which	<b>Lecture: 1</b>	<b>Practical lectures: 1</b>
Total no. of hours from the curriculum	<b>28</b>	Out of which	<b>Lectures: 14</b>	<b>Practical lectures: 14</b>

Time distribution	hours
<b>Study from the textbook, lecture support, bibliography and notes</b>	<b>9</b>
<b>Additional research activity in the library, on online specialty platforms and on the field</b>	<b>5</b>
<b>Preparation for the seminars/ laboratories, homework, research papers, portfolio and essays</b>	<b>3</b>
<b>Tutoring</b>	<b>1</b>
<b>Examinations</b>	<b>3</b>
<b>Other activities</b>	<b>1</b>
<b>Total hours of individual study</b>	<b>22</b>
<b>Total hours per semester</b>	<b>50</b>
<b>Number of credits</b>	<b>2</b>

#### 4. Pre-conditions

4.1. in terms of curriculum	Knowledge of - human anatomy - human physiology and pathophysiology - general and clinical pharmacology
4.2. in terms of competencies	Knowledge of the patient's management

#### 5. Conditions

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

#### 6. The acquisition of specific skills

Professional skills	<p><b>I. <u>Knowledge (cognitive dimension)</u></b></p> <ul style="list-style-type: none"><li>- the ability to recognize the main symptoms, signs and syndromes in medical semiology</li><li>- the ability to make an accurate diagnosis specific to Internal Medicine</li><li>- the ability to make a differential diagnosis</li><li>- the ability to recognize (identify) very complex cases and refer them to colleagues holding the required competencies to solve them.</li></ul> <p><b>II. <u>Abilities (functional dimension)</u></b></p> <ul style="list-style-type: none"><li>- the ability to perform a full and accurate clinical examination in the field of Internal Medicine</li><li>- the ability to perform the main clinical manoeuvres typical of internal medicine</li></ul>
Transverse abilities	<p><b>III. <u>Role abilities</u></b></p> <ul style="list-style-type: none"><li>- The identification of the sought-after objectives, of the available resources, of the conditions regarding their achievement, of the work stages, of the working times, of the corresponding terms for completion and related risks.</li></ul> <p><b>IV. <u>Professional and personal development related abilities</u></b></p> <ul style="list-style-type: none"><li>- The identification of the roles and responsibilities in a pluri-disciplinary team and the implementation of efficient communication and working techniques within the team and in the relation with the patient</li><li>- The efficient use of information sources, of assisted communication and professional training resources.</li></ul>

## 7. The objectives of the Discipline (resulting from the grid of acquired specific skills)

<b>7.1. General objectives</b>	<p>The aim of the course and the practical internship of <b>INTERNAL MEDICINE</b> is to briefly and logically present the main diseases related to Internal Medicine according to the latest data in the specialty literature; to acquire the necessary skills for the rapid recognition, in the dental medicine practice, of the diagnoses that call for caution/ the delay of some dental interventions or for the possible request for a specialist's approval for their conclusion; to build-up a coherent and adequate medical mindset, using proper language.</p> <ul style="list-style-type: none"> <li>- They will acquire general knowledge on the Internal Medicine-specific pathology;</li> <li>- They will establish the most efficient means of communication with the patient and they will further develop the required skills for the examination of the patient, in order to make an accurate Internal Medicine diagnosis;</li> <li>- They will be able to choose the best treatment plan for the various clinical forms of Internal Medicine diseases as well as for medical emergencies;</li> <li>- They will improve their practical skills to be able to cover the clinical stages of the diagnosis and treatment of Internal Medicine diseases.</li> <li>- They will correlate oral pathology and internal medicine pathology.</li> </ul>
<b>7.2. Objective specific</b>	<p>Students will build a trustworthy relation with the patients, in order to make the case history and perform the clinical examination. At the end of the course, the students will be able to:</p> <ul style="list-style-type: none"> <li>- make an accurate diagnosis of the clinical elements falling under the scope of Internal Medicine.</li> <li>- establish the best treatments for the diseases and emergencies of Internal Medicine</li> <li>- indicate the best attitude when facing medical emergencies.</li> </ul>

## 8. Contents

8.1. Lecture	No. hours/ topic	Teaching methods	Obs.
1. <b>RESPIRATORY DISORDERS:</b> Acute tracheobronchitis, Chronic Obstructive Pulmonary Disorder (COPD), Pneumonia. Lung abscess	2	The interactive presentation of the material according to the syllabus, using multimedia means, power point presentations, movies related to the teaching activity.	
2. <b>RESPIRATORY DISORDERS:</b> Pulmonary TB. Lung cancer.	2		
3. <b>CARDIOVASCULAR DISORDERS:</b> Mitral and aortic valvulopathy. Bacterial endocarditis. Arrhythmia.	2		
4. <b>CARDIOVASCULAR DISORDERS:</b> Ischemic heart disease. Heart failure. High blood pressure.	2		
5. <b>DIGESTIVE DISORDERS:</b> Gastroesophageal reflux disease. Ulcer. Crohn's disease. Colon cancer	2		
6. <b>DIGESTIVE DISORDERS:</b> Chronic hepatitis. Cirrhosis. Jaundice.	2		

<b>7. MAIN RENAL, HEMATOLOGIC AND RHEUMATIC DISORDERS WITH IMPLICATIONS IN DENTAL PRACTICE</b>	2		
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<b>8.2 Practical lectures (LPs)</b>	<b>No. hours/ topic</b>	<b>Teaching methods</b>	<b>Obs.</b>
<b>LP 1.</b> The examination of the patient with pathology specific to Internal Medicine. The Observation Chart.	2	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.	
<b>LP 2.</b> The assessment of the patient suffering from pleuropulmonary disorders; anamnesis, clinical examination, diagnosis, treatment. Case presentations	2		
<b>LP 3.</b> The cardiac patient – Clinical and paraclinical evaluation. Case presentations.	2		
<b>LP 4.</b> The cardiac patient – specific treatment, dental considerations in patients suffering from cardiovascular diseases. Case presentations	2		
<b>LP 5.</b> The clinical and imaging assessment of patients suffering from digestive disorders. Digestive disorder-specific treatment. Case presentations.	2		
<b>LP 6.</b> Clinical examination, investigation and diagnosis in patients with renal disorders. Treatment. Clinical cases	2		
<b>LP 7.</b> Oral-dental implications in case of internal medicine diseases.	2		

<b>8.3. Bibliography for the lecture and the practical courses</b>
<ol style="list-style-type: none"> <li>1. The current lecture</li> <li>2. <i>Tratat de Medicină Internă. Vol. 1 (Treaty of Internal Medicine. Vol. 1)</i>, under the editorship of Bruckner, Editura Medicală, 2024</li> <li>3. <i>Medicină Internă. Patologie respiratorie, cardiovasculară și hematologică (Internal Medicine. Respiratory, cardiovascular and hematologic pathology)</i>. Laurențiu Solodoc. Editura Sedcom Libris. 2023</li> <li>4. Harrison. <i>Principiile Mediciniei Interne (Harrison's Principles of Internal Medicine)</i>. 19<sup>th</sup> edition. Volumes 1 and 2. Dan L. Longo, Anthony Fauci. Editura ALL, 2021</li> <li>5. <i>Manualul OXFORD de Medicină Clinică (OXFORD Textbook of Clinical Medicine)</i>. Ian B. Wilkinson. Tim Raine. Anna Goodhart. Catriona Hall. Harriet O Neill. Editura Prior. 2019</li> <li>6. <i>General Medicine and Surgery for Dental Practitioners</i>, third edition, Mark Greenwood, John G. Meechan, Springer Nature Switzerland AG 2019</li> <li>7. <i>Washington Manual of Medical Therapeutics</i>. Zacharry Crees, Cassandra Fritz, Alonso Huedebert. Jonas Noe. Arvind Rengarajan. Xiaowen Wang. Editura Wolters Kluwer. 2019</li> <li>8. <i>The Merck Manual of Diagnosis and Therapy</i>, 20<sup>th</sup> Edition, Elsevier, 2018</li> <li>9. <i>Implicații practice ale bolilor cardiovasculare în medicina dentară (Practical Involvement of cardiovascular disorders in dentistry)</i> - Florin Mitu, Iulia-Cristina Roca, Mihai Roca, Casa Editorială Demiurg, Iași, 2013</li> <li>10. <i>Ghid clinic - Medicină Internă (traducere din limba germana) – (Clinical Guide – Internal Medicine – translation from German)</i>. Ediția a 11-a - Jorg Braun, Arno J. Dormann, Editura Medicală, 2018</li> <li>11. <i>Date medicale esențiale (Essential Medical Data)</i> - Marc M. Sabatine, Lippincott Williams &amp; Wilkins, 2016</li> <li>12. <i>Publicații periodice (Journals):</i>  Romanian Journal of Internal Medicine  New England Journal of Medicine</li> </ol>

## 9. Corroborating the contents of the Discipline with the expectations of the epistemic community representatives, professional associations and representative employers in the field corresponding to the program

Each dental student must be familiar with the clinical entities of internal medicine, such knowledge being extremely necessary in approaching the patient with dental pathologies.

## 10. Assessment

10.1. Assessment			
Activity type	Assessment criteria	Assessment methods	Percentage of the final grade
Lecture	<p><b>Requirements for grade 5:</b> 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</p> <p><b>Requirements for grade 10:</b> Solving 90% of the questions, plus a written subject from the topics taught in the lectures.</p>	<p><b>Written examination</b> Multiple choice questions 30 questions One correct answer</p>	90%
Practical lectures	<p><b>Requirements for grade 5</b> The ability to make a correct anamnesis and to accurately classify the signs and the symptoms of the patients</p> <p><b>Requirements for grade 10:</b> 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.</p>	<p><b>Oral practical examination</b></p>	10%
<b>Minimum performance standards</b>			
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.			

Date of completion:

01.09.2024

Head of the Discipline,  
Prof. Dr. Laura Carina TRIBUS

Date of approval by the Department Director  
Department Board:

Prof. Emeritus Dr. Alexandru BUCUR

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