

## FIȘA DISCIPLINEI

### 1. Date despre program

1.1 Instituția de învățământ superior	<b>“VICTOR BABEȘ” UNIVERSITY OF MEDICINE AND PHARMACY TIMIȘOARA</b>
1.2 Facultatea	<b>FACULTY OF MEDICINE</b>
1.3 Departamentul	VII – Internal Medicine II
1.4 Domeniul de studii de	Licence
1.5 Ciclul de studii	Licence
1.6 Programul de studii/ Calificarea	<b>Dental Medicine</b>

### 2. Date despre disciplină

2.1. Denumirea disciplinei	<b>ENDOCRINOLOGY (Internal Medicine/Endocrinology/Phthisiology)</b>							
2.2 Titularul activităților de curs	ȘI Dr. Melania Balaș							
2.3 Titularul activităților de laborator	ȘI Dr. Melania Balaș							
2.4 Anul de studiu	<b>3</b>	2.5 Semestrul	<b>6</b>	2.6 Tipul de evaluare	<b>Examen</b>	2.7 Regimul disciplinei	Conținut	<b>DS</b>
							Obligativitate	<b>DI</b>

### 3. Timpul total estimat (ore pe semestru al activităților didactice)

3.1 Număr de ore pe săptămână	1.43	3.2 din care: curs	<b>0.43</b>	3.3 laborator	<b>1</b>
3.4 Total ore din planul de învățământ	<b>20</b>	3.5 din care: curs	<b>6</b>	3.6 laborator	<b>14</b>
Distribuția fondului de timp					ore
Studiul după manual, suport de curs, bibliografie și notițe					4
Documentare suplimentară în bibliotecă, pe platformele electronice de specialitate și pe teren					1
Pregătire seminarii/ laboratoare/ proiecte, teme, referate, portofolii și eseuri					4
Tutoriat					
Examinări ( <b>1 examen practic, 1 examen final</b> )					1
Alte activități					
<b>3.7 Total ore studiu individual</b>	<b>10</b>				
<b>3.8 Total ore pe semestru</b>	<b>150/disciplina</b>				
<b>3.9 Numărul de credite<sup>5)</sup></b>	<b>10 /disciplina</b>				

### 4. Precondiții (acolo unde este cazul)

4.1 de curriculum	Anatomy, Biochemistry, Physiology, Pathophysiology, Medical Semiology, Cardiology
4.2 de competențe	Electrocardiogram interpretation, lab data interpretation, making an anamnesis, conducting a general clinical examination

### 5. Condiții (acolo unde este cazul)

5.1 de desfășurare a cursului	<ul style="list-style-type: none"> <li>• Mobile phones will be closed during classes, telephone conversations are not tolerated during the course, nor do students leave the classroom for personal phone calls;</li> <li>• It will not be tolerated the students' delay at the lectures as it proves to be disruptive to the educational process;</li> <li>• The lectures are mandatory, with a maximum of 30% of the total absences being accepted.</li> </ul>
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5.2 de desfășurare a seminarului/ laboratorului/ proiectului	<ul style="list-style-type: none"> <li>• Mobile phones will be closed throughout the laboratories, with no telephone conversations during the lab being tolerated nor students leaving the classroom to take over personal phone calls;</li> <li>• The students are not allowed to be late as it proves disruptive to the educational process;</li> <li>• The labs / practical works are mandatory, with a maximum of 15% of the total absences being accepted.</li> <li>• Recovery is allowed up to 15% of the total number of paid absences in the last 2 weeks of the semester, except in medical cases that will require individual approval of the Dean's.</li> <li>• The practical exam will be held in the last week of the semester or in the regular session, from the themes of the practical works / laboratories previously presented.</li> </ul>
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## 6. Competențe specifice acumulate

<b>Competențe Profesionale</b>	<ol style="list-style-type: none"> <li>1. Acquiring adequate medical language.</li> <li>2. Knowledge on endocrine gland physiology and endocrine disorders.</li> <li>3. Correlation of fundamental knowledge acquired during the first 4 years of study with clinical manifestations of endocrine disorders.</li> <li>4. Making a correct and effective medical judgment at the patient's bed.</li> <li>5. Knowledge and recognition of changes in the dento-maxillary apparatus in endocrine disorders.</li> </ol>
<b>Competențe transversale</b>	<ol style="list-style-type: none"> <li>1. Interest for professional development by engaging critical thinking skills demonstrated through active participation at the lectures and laboratory / seminar / project;</li> <li>2. Forming an ethical attitude towards the patient.</li> <li>3. Involvement in scientific research activities by contributing to paper, studies, specialty articles writing;</li> <li>4. Effective use of information sources and communication resources and assisted training (Internet portals, specialized software applications, databases, on-line courses, etc.) both in Romanian and in an international language.</li> </ol>

## 7. Obiectivele disciplinei (reieșind din competențele specifice acumulate)

7.1 Obiectivul general al disciplinei	Acquiring of the fundamental notions of endocrine physiology and physiopathology of endocrine glands.
7.2 Obiectivele specifice	<ol style="list-style-type: none"> <li>1. Acquiring of the most important aspects concerning the diagnosis and treatment of the most frequent endocrine diseases.</li> <li>2. Corroborating the notions of endocrine pathophysiology with those offered by other disciplines (Cardiology, Neurology, Obstetrics-gynecology, etc.)</li> </ol>

## 8. Conținuturi

8.1 Curs	Metode de predare	Număr de ore	Observații
1. Hypothalamic-pituitary system: – Hormones: definition, structure, acting mechanism. – Anterior and posterior hypophysis: <ul style="list-style-type: none"> <li>• Hyperfunctional syndromes: adenomas of the hypophysis with excess secretion of hormones: GH, PRL, ACTH</li> <li>• Hypofunctional syndromes: anterior pituitary insufficiency, central diabetes insipidus</li> </ul>	Interactive teaching	2	<ul style="list-style-type: none"> <li>• Lectures delivered through structured, interactive Powerpoint presentations, accompanied by a rich and suggestive iconography available on the Moodle e-learning platform of the</li> </ul>
2. Thyroid gland:		2	

<ul style="list-style-type: none"> <li>– Hyperfunctional syndromes,</li> <li>– Hypofunctional syndromes</li> </ul>			university.
3. Parathyroid gland: <ul style="list-style-type: none"> <li>– Hyperfunctional syndromes,</li> <li>– Hypofunctional syndromes</li> </ul> Osteoporosis: definition, diagnosis, risk factor, therapy		1	<ul style="list-style-type: none"> <li>• The material taught is revised and supplemented with the latest cutting-edge information for the specialization.</li> </ul>
4. The adrenal cortex: Notions of physiology and pathology		1	<ul style="list-style-type: none"> <li>• Each course presents the educational objectives at the beginning and ends with summarizing the notions presented.</li> </ul>

#### **Mandatory references:**

1. Clinical endocrinology : lecture for students ; LITO UMF 2006
2. Noțiuni de Endocrinologie pentru Studenții Facultății de Medicină Dentară, Editura V. Babes 2013

#### **Optional references:**

1. Aurora Miloș, Ioana Zosin, Mihaela Vlad, Melania Balaș, Ioana Golu, Daniela Amzăr, Ioana-Natalia Miloș, Iulia-Ruxandra Miloș: Curs de endocrinologie clinica, Editura Eurobit, Timișoara, 2013, ISBN 978-973-132-032-8
2. Greenspan's Clinical Endocrinology, ninth edition, 2011, Mc GRAW Hill, ISBN 978-0-07-162243-1

8.2 Seminar/ Laborator /stagiu/ proiect	Metode de predare-învățare	Număr de ore	Observații
1. Patient's medical sheet (particularities of the clinical examination in Endocrinology, paraclinical investigations and how to complete a medical sheet in a patient with endocrine disorder ).	Dissertation + debate + case-presentations	1	<ul style="list-style-type: none"> <li>• Dissertation delivered using Powerpoint presentations.</li> <li>• Presentation of the paraclinical investigation methods (laboratory tests and functional explorations) presented as tables, diagrams, diagnostic algorithms for the students to learn the main laboratory and paraclinical investigations for a particular pathology.</li> <li>• Indications, contraindications, methodology and interpretation of the results of various current functional exploration techniques</li> <li>• Presentation of typical examples of laboratory bulletins and interactive</li> </ul>
2. Hypothalamic-pituitary axis <ul style="list-style-type: none"> <li>• Anamnesis and clinical examination of a patient with endocrine pathology - 1 hour</li> <li>• hyperfunctional syndromes (pituitary adenomas): case presentations - 2 hours</li> <li>• hypofunctional hypofunctional syndromes: case presentations - 1 hour</li> </ul>		4	
3. Thyroid gland: <ul style="list-style-type: none"> <li>• Examination of a patient with thyroid pathology - 1 hour</li> <li>• hyperfunctional syndromes: case presentations - 2 hours</li> <li>• hypofunctional syndromes: case presentations - 2 hours</li> </ul>		5	
3. Parathyroid pathology: case presentations		2	

4. Adrenal cortex pathology: case presentations		2	discussions on clinical cases at the end of each practical work. • Checking the acquisition of the main knowledge taught by questions at the end of the laboratory.
<b>Mandatory references:</b> <ol style="list-style-type: none"> <li>1. Clinical endocrinology : lecture for students ; LITO UMF 2006</li> <li>2. Noțiuni de Endocrinologie pentru Studenții Facultății de Medicină Dentară, Editura V. Babes 2013</li> </ol> <b>Optional references:</b> Ana Valea: Prezentări de cazuri în endocrinologie – ghid clinic, Editura Risoprint Cluj-Napoca 2007, ISBN 978-973-751-426-4			

**9. Coroborarea conținuturilor disciplinei cu așteptările reprezentanților comunităților epistemice, asociațiilor profesionale și angajatori reprezentativi din domeniul aferent programului**

The student is familiar with the diagnosis and treatment of the main endocrine diseases that he will face in medical practice in the future. The acquired information and skills will enable him to meet the current requirements of the labor market in the health care sector, meeting European educational and professional standards.

**10. Evaluare**

Tip activitate	10.1 Criterii de evaluare	10.2 Metode de evaluare	10.3 Pondere din nota finală
10.4 Lecture	Knowledge for mark 5: • Knowing the endocrine glands and hormones secreted by them • knowledge of fundamental data on the main syndromes of endocrine pathology, knowledge of diagnostic criteria in the main diseases and endocrine syndromes Knowledge for mark 10: • detailed data on physiology, endocrine pathophysiology • knowledge and understanding of endocrine syndromes (pathophysiology, clinic, paraclinic diagnosis) • correct presentation of the therapeutic options • consulting new recommended bibliographic sources	The colloquium consists of 20 multiple-choice questions test.	<b>50%</b>
10.5 Laboratory	Knowledge for mark 5: minimal mandatory presence in laboratory and practical work, adequate patient relationship, recognition of certain clinical aspects of endocrine disease in case-presentations; Knowledge for mark 10: full-attendance of the lecture and of the laboratory, proper and professional	The mark is given for the presence and interest shown by students in lectures and laboratory, how they interact with the patients and how do they answer to questions during the	<b>50%</b>

	relationship with the patients, correct answers to all the questions of the teacher.	exam.	
10.6 Standard minim de performanță			
<p>Knowledge of terminology and understanding of functioning mechanisms of the endocrine system, knowledge of the basic notions regarding the diagnosis and treatment of endocrine diseases studied during the lectures.</p> <p>Ability to recognize clinical changes and establish a therapeutic plan for each disease studied during the lecture.</p>			

Data completării 31.10.2018	Semnătura titularului de curs: Lect. Dr. Melania Balaș	Semnătura titularului de laborator/stagiu: Lect. Dr. Melania Balaș
Semnătura șefului de disciplină Assoc.Prof. Dr. Mihaela Vlad		
Data avizării în departament 01.11.2018	Semnătura directorului de departament Prof. Dr. Adalbert Schiller	