

## CHART OF DISCIPLINE/ SYLLABUS

### 1. Study Program Data

1.1 High Education Institution	UNIVERSITATEA DE MEDICINA SI FARMACIE "VICTOR BABEȘ" TIMIȘOARA
1.2 Faculty	FACULTATEA DE MEDICINĂ
1.3 Department	II - Morfologie microscopică
1.4 Study Domain <sup>1)</sup>	Licență
1.5 Cycle Studies <sup>2)</sup>	Licență
1.6 Study programme/ Qualification	Medicină secția în limba engleză

### 2. Course Data

2.1.Course/Department	MORFOPATOLOGIE / MORPHOPATHOLOGY							
2.2 Course tutor								
2.3 Practical activity tutors								
2.4. Year of study	V	2.5 Semester	10	2.6 Assessment	Colocviu	2.7 Course rank	Content <sup>3)</sup>	DF
							Mandatory /Compulsory <sup>3)</sup>	DFac

### 3. Duration/Estimated Time (number of hours/ semester of teaching activity)

3.1 Number of hours/ week		3.2 lecture/course		3.3 laboratory	
3.4 Total hours of curriculum		3.5 lecture/course		3.6 laboratory	
Time distribution for course activities					
Study support- manuals, lectures, references and notes					
Additional documentation – library, dedicated platforms from domain					
Documentation for seminars/ practical activity/ projects, themes, portfolios and essays					
Tutoring					
Assessment					
Other activities					
3.7 Total number of hours for individual study					
3.8 Total number of hours per semester					
3.9 Number of credits <sup>5)</sup>					

### 4. Preconditions (if applicable and requested)

4.1 Courses- studied curriculum / rules for attending the course	Morphopathology, Internal medicine, Surgical Oncology, Imagistics, Medical Oncology
4.2 Practical activities/seminars/projects studied curriculum, basic skills/ rules for attending the course	

### 5. Condition (if applicable and requested)

5.1 Courses	
5.2 Laboratory/practical activity/ project	

### 6. Key competencies and basic skills

Professional Competencies	To understand and to interpret pathological report (diagnosis). To recognize and learn the used of morphological parameters involved in prognosis, evaluation, patient stratification and therapeutic strategy
Transversal Competencies	Involvement in continuous professional improvement by training of critical, and rational thinking highlighted by active participation in the course and laboratory/seminar/project. Involvement in scientific research by participating in elaborations of reports, studies, specialty articles and initiation in the study of the subjects for thesis on the topics provided by the discipline (for the students who express this option) Efficient utilization of information sources, communication and assisted professional improvements resources (internet portals, professional software applications, databases, online courses) in English.

## 7. Disciplines/Course objectives (based on the key competences)

7.1 Disciplines/Course general objectives	To provide knowledge, skills and experience to understand the morphological substrate of diseases, the terminology used in morphopathology and to know the way in which a pathological processes can impact the structure and function of systems and/or organs of the human body, all of them having subsequent clinical manifestations.
7.2 Disciplines/Course specific objectives	<p>Knowledge and understanding of theoretical and practical aspects of pathology with direct applications in the medical field.</p> <p>Understanding of the medical terminology used by the pathologist to describe structural alterations, and the ability to interpret a histopathological report.</p> <p>Development of medical reasoning/thinking pertaining to the positive diagnosis and differential diagnosis of diseases.</p> <p>Integration of basic data (molecular biology, histopathology, genetics) with clinical ones for prognosis and therapy management, especially in oncologic domain.</p>

## 8. Content

Content		Teaching method	Number of hours	Notification
8.1 Course				
1. Autoimmune Diseases Systemic Lupus Erytematosus Systemic Sclerosis / Scleroderma Sjogren Syndrome		Powerpoint presentations with: o Representative images of the multiple macroscopic and microscopic aspects of pathological processes (lesions). o Multidisciplinary approach for diagnosis of immune / autoimmune. o Current immunotherapies approved for oncologic diseases  The material is continually revised in order to incorporate the latest information in the field of immunopathology.  These presentations comprise interactive communication, questionings and debates. During lectures we present and encourage the use of the open-access reference pathology books (electronic edition), sites with virtual histopathological images or scanned slides or gross specimens (virtual pathology museum).		
2. Rejection of Solid-Organ Allografts Lung Heart Liver Kidney				
3. Immunodeficiency Disorders Primary (Congenital) Immunodeficiencies Acquired Immunodeficiency Syndrome				
4. Organ related immune / autoimmune diseases Crohn disease Diabetes mellitus type I Graves' disease Granulomatosis with polyangiitis Guillain-Barre syndrome				
5. Organ related immune / autoimmune diseases Myastenia gravis Multiple sclerosis Psoriasis Primary biliary cirrhosis Rheumatic arthritis				
6. Molecular-based immunotherapy of cancer: ▪ lung carcinoma ▪ breast carcinoma ▪ melanoma				
7. Molecular-based immunotherapy of cancer: ▪ B-cell lymphoma, ▪ gastro-intestinal stromal tumors, ▪ neuro-endocrine tumors				
Mandatory references:				
Optional references:				
8.2 Seminars/ Laboratory/practical activity/ projects		Teaching-learning, methods	Number of hours	Notification
1. Case presentation from curricula				
Mandatory references:				
Optional references:				

Data completării 13.04.2023	Semnătura titularului de curs Ș.I. Dr. Dorela – Codruța Lazureanu	Semnătura titularului de laborator Ș.I. Dr. Dorela – Codruța Lazureanu
Semnătura șefului de disciplină Prof. Univ. Dr. Alis Dema		
Data avizării în departament	Semnătura directorului de departament Prof. Univ. Dr. ALIS DEMA	

