

1.	Title of the Subject	PATHOLOGY 2
2.	Code	OM 321
3.	Study program	General Medicine

4.	Organizer of the study program (Unit, Institute, Cathedra, Section)	UKIM-Medical Faculty Department of Pathology			
5.	Degree of education (first, second cycle)	Integrated cycle			
6.	Academic year / Semester	III/VI	7.	No. of ECTS credits	8
8.	Lecturer	Head of department: Liljana Spasevska *The lectures are conducted by all teachers at the department of Pathology			
9.	Conditions for enrolling the subject	Passed first part of the professional exam Fulfilled conditions for enrolment in the VIth semester			
10.	Aims of the subject's program (skills): <ul style="list-style-type: none"> • To enable learning of the ethiopathogenetic mechanisms of the diseases. • To enable to learning of the morphologic basis, macroscopic and histopathologic changes in tissues and organs in diseases of all systems. • To train the students for morphologic diagnostics of the diseases, as well as to introduce the contemporary diagnostic techniques. • To introduce the basic clinical manifestations of the diseases. 				

<p>Content of the subject program:</p> <p>Theory:</p> <p>Pathology by systems</p> <ul style="list-style-type: none"> • Pathology of the digestive system • Pathology of the liver, gallbladder and pancreas • Pathology of the urinary system • Pathology of breast • Pathology of the endocrine system • Pathology of the central nervous system • Pathology of the genital system • Pathology of skin • Pathology of the locomotion system <p>Practical training:</p> <p>Learning the skills of microscopic analysis and diagnostics on histopathologic slides, dissection and macroscopic analyses of surgical specimens.</p> <p>Learning the manual skills of autopsy including determination of the main disease, complications of the main disease, prior diseases and determining the cause of death.</p>				
<p>Learning methods: Interactive lectures, practical exercises/seminars</p>				
13.	Total time available			<p>240 hours</p> <p>Credits 8 x 30 hours for 1 credit = 240 hours</p> <p>120 hours lectures, exercises and seminars + 120 hours homework</p>
14.	Distribution of the total time			
15.	Forms of teaching activities	15.1	Lectures-theoretical teaching	60 hours
		15.2	Exercises (laboratory), seminars, team work	60 hours
16.	Other activities	16.1	Projects	Facultative
		16.2	Independent tasks	Facultative

		16.3	Homework	120 hours
17.	Grading points			
17.1	Tests	<p style="text-align: right;">min.-max.</p> <p>Continuous checks of knowledge* points 12 – 20</p> <p>Continous check of knowledge (colloquium): 2 written tests</p> <p>Covering the following areas of Pathology 2:</p> <p>The first colloquium:</p> <ol style="list-style-type: none"> 1. Pathology of the digestive system, 2. Pathology of the biliary system and pancreas. 3. Pathology of the urinary system. <p>The second colloquium:</p> <ol style="list-style-type: none"> 3. Pathology of breast 4. Pathology of the endocrine system 5. Pathology of the central nervous system <p>Students can obtain 12- 20 points from one colloquium</p>		

	Final exam	<p>part* points 13 - 23</p> <p>Practical part** points 13- 23</p> <p>*Oral part (integrative)- 2 questions from pathology of the genital system, skin and locomotory system, as well as integrative knowledge of Pathology 2 important for understanding of the entire subject and medical practice (for grade 10=21-23 points; for 9=19-20 points; for 8=17-18 points; for 7=15-16 points; for 6=13-14 points)</p> <p>**Practical part (according to the catalogue of skills):): microscopic analysis and diagnosis of histopathological slides and autopsy or macroscopic analysis of surgical specimens including theoretical discussion about the topic concerned. (for grade 10=21-23 points; for 9=19-20 points; for 8=17-18 points; for 7=15-16 points; for 6=13-14 points)</p> <p>The student must get at least the minimum points for each part of the exam in order to get the points from the final exam. Otherwise, the exam is considered to be failed.</p>	min.-max. Oral
17.2	Seminar/project (presentation: written and oral)	<p>Seminar</p> <p>Presentation</p>	min.-max. 1 - 2 points
17.3	Active participation	<p>Theoretical lessons* points 1 - 2</p> <p>Practical lessons** points 10 – 12</p> <p>*Attendance at theoretical lessons</p> <p>Up to 35% 0 points</p> <p>35%-70% 1 point</p> <p>71%-100% 2 points</p>	min.-max.

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18.	Grading criteria (points /grade)	Up to 59 points	5 (five) F	
		60 to 68 points	6 (six) E	
		69 to 76 points	7 (seven) D	
		77 to 84 points	8 (eight) C	
		85 to 92 points	9 (nine) B	
		93 to 100 points	10 (ten) A	
19.	Conditions for signature and for taking the final exam	<p>Conditional criteria:</p> <p>Condition for a signature</p> <p>In order to get a signature, the student has to visit the theoretical lessons, practical exercises and seminars, and has to achieve at least a minimum points (1+10 points)</p> <p>Condition to take the final exam</p> <p>In order to take the final exam, the student has to achieve at least a minimum points for each of the periodical evaluations separately (12+12 points), or get at least 30% of the total number of points provided for continuous check of knowledge (6+6 points); during the exam session the student must take an examination for the failed periodical evaluation(s) first, and afterwards the student may proceed to the final exam.</p> <p>The final grade is formed according to the grading table, based on the sum of the points earned from all activities, continuous checks of knowledge and the final exam.</p>		

20.	Teaching language	Macedonian			
21.	Method for monitoring the quality of lectures	Student`s anonymous evaluation of the subject, teachers and associates involved in the educational process.			
22.	Literature				
22.1	Mandatory literature				
	#	Author	Title	Publisher	Year
	1	Винај Кумар, Абул Абас, Нелсон Фаусто, Ричард Мичел	Основи на патологијата според Робинс	Табернакул	2010
	2	Катедра по патологија – група автори	Избрани поглавја од Патологија 1	Медицински факултет, Скопје, УКИМ	2010
	3	Катедра по патологија – група автори	Практикум за хистопатолошки вежби	Медицински факултет, Скопје, УКИМ	2008
	22.2	Additional literature			
#		Author	Title	Publisher	Year
1		Kumar, Abbas, Fausto, Aster	Pathologic Basis of Disease, eight edition	Saunders	2010
2		Робинс и Котран	Патолошки атлас	Saunders Elsevier Академски печат	2006 2010
3		Робинс и Котран	Патолошка основа на болестите - 8 изд.	Арс Ламина- публикации	2015

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