
		UNIVERSITY OF EAST SARAJEVO Faculty of Medicine						
		Study program: medicine						
		Integrated academic studies		III study year				
Full subject title		PATHOLOGY						
Department		Department of Propedeutics, Faculty of Medicine in Foca						
Subject code		Subject status			Semester		ECTS	
ME-02-1-024-5; ME-02-1-024-6		compulsory			V, VI		17	
Professor/-s		Professor Mirjana Cuk,MD, PhD; prof. Dusko Dundjerovic, MD, PhD; prof. Nikola Zivkovic, MD, PhD						
Associate/-s		Assistant Svjetlana Todorović, MD, clin. assoc. Milena Vasic Milanovic						
Number of lectures/ teaching workload (per week)			Individual student workload (in hours per semester)			Coefficient of student workload S ₀ ¹		
L	E	SP	L	E	SP	S ₀		
5	4	0	5*15*1.13	4*15*1.13	0*15*1.13	1,13		
3	4	0	3*15*1.13	4*15*1.13	0*15*1.13	1,13		
total teaching workload (in hours, per semester)				total student workload (in hours, per semester)				
5*15+4*15+0*15=135				5*15*1.13+4*15*1.13+0*15*1.13=151,5				
3*15+4*15+0*15=105				3*15*1.13+4*15*1.13+0*15*1.13=118,5				
Total subject workload (teaching + student): 240+270 = 510 hours								
Learning outcomes		1. By mastering this course, the student will be able to participate in practical classes on clinical subjects 2. By mastering this course, the student will be able to recognize all the essential morphological characteristics of pathological conditions 3. By mastering this course, the student will be able to follow the teaching and acquire knowledge on clinical subjects 4. By mastering this course, the student will be able to recognize in practice the symptoms and signs of the disease and anticipate possible complications and the possible course of the disease						
General competences		They possess broad fundamentals of theoretical knowledge and practical skills, preparing them for any type of postgraduate education as well as for collaboration with other medical professionals. They have adopted attitudes concerning medical ethics. They have acquired a systemic thinking approach as well as a structured approach to medical problems during their education. They are acquainted with a specific diagnostic algorithm. They are capable of acting in accordance with rational and scientific concepts and principles. They are eager to dedicate themselves to the field of medicine and accept responsibility for the physical, mental and social well-being of their patients. They are prepared for accepting responsibility and appropriate medical decision-making. They are acquainted with health improvement and disease prevention and are eager to make medical professionals adopt more positive attitude towards it. They have adopted attitudes and gained understanding of their personal limitations in accordance with the previous education and experience. They are eager to collaborate with other medical professionals. They are conscious of the necessity for continuous learning and improvement process to maintain a high level of medical competence. 3 They are eager to train the colleagues and improve their own teaching skills. They are eager to support quality assurance measures and periodic evaluation of their own medical competences and knowledge standards.						
Preconditions		Precondition for taking the exam: all passed exams from the previous year of studies						
Teaching methods		Lectures, exercises, seminars						

¹The coefficient of student workload S₀ is calculated as it follows:

a) for the study programs not going through the licensing process: S₀ = (total workload in semester for all of the subjects 900 hrs – total teaching workload L+E in semester for all of the subjects 870 hrs)/ total teaching workload L+E in semester for all of the subjects ____ hrs = _____. Consult form content and its explanation.

b) for the study programs going through the licensing process, it is necessary to use form content and its explanation.

Subject content per week	Lectures: <ol style="list-style-type: none"> 1. Introduction 2. Damage to the cell, cell death and adaptation 3. Acute and chronic inflammation 4. Regeneration and reparation 5. Hemodynamic disorders, thrombosis and shock 6. Immune system diseases 7. Pathology of the tumor (neoplasia) 8. Genetic and pediatric diseases 9. Diseases resulting from the action of environmental factors and nutritional disease, 10. General Pathology of Infectious Diseases 11. Pathology of blood vessels 12. Pathology of the heart 13. Pathology of hematopoietic and lymphatic system 14. Seminars 15. Certification of semester, supplementary classes, colloquiums, seminars 16. Lung Pathology 1 17. Lung Pathology 2 18. Pathology of the kidneys and urinary tract 19. Pathology of the oral cavity 20. Pathology of the gastrointestinal tract 21. Pathology of the liver and bile pathways 22. Pathology of the pancreas 23. Pathology of the male genital system 24. Pathology of the female genital system and breast 25. Endocrine System Pathology 26. Pathology of bones, joints, muscles and soft tissues, 27. Skin pathology 28. Nervous system pathology 29. Seminars 30. Evaluation of the semester, additional classes Exercises: <ol style="list-style-type: none"> 1. Introductory exercise 2. Macroscopic diagnostics + laboratory class 3. Macroscopic diagnostics + laboratory class 4. Adaptation of the cell + laboratory class 5. Intracellular accumulation + laboratory class 6. Sedimentation of amyloid, calcium and urate + laboratory class 7. Lethal damage (necrosis) + laboratory class 8. Circulation disorders + laboratory class 9. Regeneration, reparation, pigmentation + laboratory class 10. Acute inflammation + laboratory class 11. Chronic inflammation + laboratory class 12. Specific inflammation + laboratory class 13. General pathology of the tumor + laboratory class 14. Pathology of the cardiovascular system + laboratory class 15. Verify exercises + laboratory class 16. The respiratory system pathology + laboratory class 17. Lip cavity and salivary glands + laboratory class 18. Gastrointestinal tract 1 + laboratory class 19. Gastrointestinal tract 2 + laboratory class 20. Pathology of the liver and pancreas + laboratory class 21. Endocrine system + laboratory class 22. Breast pathology + laboratory class 23. Pathology of the kidney, urinary tract and male sex system + laboratory class 24. Pathology of the female genital system 1 + laboratory class 25. Pathology of the female genital system 2 + laboratory class 26. Pathology of the lymphatic system + laboratory class 27. Skin pathology + laboratory class 28. Pathology of bones, joints, muscles and soft tissues + laboratory class 29. Nervous system pathology + laboratory class 30. Verification of exercises + laboratory class 		
	Compulsory literature		
	Author/s	Publication title/Publisher	Year Pages (from-to)

Kumar V, Abbas AK, Aster JC.	Robbins' Basic of Pathology . 10 th ed. Saunders, Philadelphia	2017	
Klatt EC.	Robbins and Cotran Atlas of Pathology. Sounders Elsevier , Philadelphia	2007	
Kumar V, Abbas AK, Aster JC	Robbins and Cotran Pathologic Basis of Disease 9 th ed.	2014	
Additional literature			
Author/s	Publication title/Publisher	Year	Pages (from-to)
-	-		
-	-		
Student responsibilities, types of student assessment and grading	Grading policy		Points
	Pre-exam activities		Percentage
	lecture/exercise attendance	10	10%
	Test in general pathology	15	15%
	Test in special pathology	15	15%
	Seminar paper	10	10%
	Final Exam		
	Practical exam	5	5%
	Written exam	45	45%
	TOTAL	100	100 %
Certification date	June 17th 2024		