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|  | **UNIVERSITY OF EAST SARAJEVO**  **Faculty of Medicine** | |  |
| ***Study program: medicine*** | |
| Integrated academic studies | III study year |

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| **Full subject title** | PATHOLOGY |
| **Department** | Department of Propedeutics, Faculty of Medicine in Foca |

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| **Subject code** | **Subject status** | **Semester** | **ECTS** |
|
| МЕ-01-1-023-5; МЕ-01-1-023-6 | compulsory | V , VI | 17 |

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| Professor/-s | Full professor Radoslav Gajanin MD, PhD, associate professor Mirjana Cuk,MD, PhD; associate professor Slavisa Djuricic,MD, PhD |
| Associate/-s | Assistant Svjetlana Todorović, MD, |

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| **Number of lectures/ teaching workload (per week)** | | | **Individual student workload (in hours per semester)** | | | | **Coefficient of student workload So[[1]](#footnote-2)** |
| L | E | SP | L | | E | SP | **So** |
| 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)  5\*15+4\*15+0\*15=135  3\*15+4\*15+0\*15=105 | | | | total student workload (in hours, per semester)  5\*15\*1.13+4\*15\*1.13+0\*15\*1.13=151,5  3\*15\*1.13+4\*15\*1.13+0\*15\*1.13=118,5 | | | |
| Total subject workload (teaching + student): 240+270 = 510 hours | | | | | | | |

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| 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 |
| Preconditions | Precondition for taking the exam: all passed exams from the previous year of studies |
| Teaching methods | Lectures, exercises, seminars |
| **Subject content per week** | **Lectures:**   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, enrollment grade, additional classes  **Exercises:**  1. Introductory exercise  2. Macroscopic Diagnostics  3. Macroscopic Diagnostics  4. Adaptation of the cell  5. Intracellular accumulation  6. Sedimentation of amyloid, calcium and urate  7. Lethal damage (necrosis)  8. Circulation disorders  9. Regeneration, reparation, pigmentation  10. Acute inflammation  11. Chronic inflammation  12. Specific inflammation  13. General pathology of the tumor  14. Pathology of the cardiovascular system  15. Verify exercises  16. The respiratory system pathology  17. Lip cavity and salivary glands  18. Gastrointestinal tract 1  19. Gastrointestinal tract 2  20. Pathology of the liver and pancreas  21. Endocrine system  22. Breast Pathology  23. Pathology of the kidney, urinary tract and male sex system  24. Pathology of the female genital system 1  25. Pathology of the female genital system 2  26. Pathology of the lymphatic system  27. Skin pathology  28. Pathology of bones, joints, muscles and soft tissues  29. Nervous system pathology  30. Verification of exercises |

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| Compulsory literature | | | |
| Author/s | Publication title/Publisher | Year | Pages (from-to) |
| Kumar V, Abbas AK, Aster JC. | Robbins’ Basic of Pathology . 9th ed. Saunders, Philadelphia | 2013 |  |
| 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) |
| - | - |  |  |
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| Student responsibilities, types of student assessment and grading | Grading policy | Points | Percentage |
| Pre-exam activities | | |
| 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 % |

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| Certification date | December 13 th 2018 |

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

   а) for the study programs not going through the licensing process: So = (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. [↑](#footnote-ref-2)