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|  | | | **UNIVERSITY OF EAST SARAJEVO**  Faculty of Medicine | | | | | | | | | | |  | | |
| ***Study program:medicine*** | | | | | | | | | | |
| Integrated academic studies | | | | | | II study year | | | | |
| **Full subject title** | | | PHYSIOLOGY | | | | | | | | | | | | | |
| **Department** | | | Department for preclinical subjects, Faculty of Medicine in Foca | | | | | | | | | | | | | |
| **Subject code** | | | | | | **Subject status** | | | | | **Semester** | | | **ECTS** | | |
|
| МЕ-01-1-014-3; МЕ-01-1-014-4 | | | | | | compulsory | | | | | III,IV | | | 19 | | |
| **Professor/ -s** | | Full professor. Zvezdana Kojic, PhD; Full professor. Sinisa Ristic, MD,PhD; associate. professor. Nenad Ponorac,MD, PhD, associate. professor. Milan Kovacevic, PhD | | | | | | | | | | | | | | |
| **Associate/ -s** | | senior assistant. Suncica Bajcetic-Starovic, MD ; assistant Ivan Jojić, MD, assistant Darinka Dubovina MD | | | | | | | | | | | | | | |
| **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** | | | **Со** | |
| 5 | 4 | | | | 0 | | 5\*15\*1 | | | 4\*15\*1 | | 0\*15\*1 | | | 1 | |
| 5 | 5 | | | | 0 | | 5\*15\*1 | | | 5\*15\*1 | | 0\*15\*1 | | | 1 | |
| total teaching workload (in hours, per semester)  5\*15 + 4\*15 + 0\*15 = 135  5\*15 + 5\*15 + 0\*15 = 150 | | | | | | | | total student workload (in hours, per semester)  5\*15\*1 + 4\*15\*1 + 0\*15\*1 = 135  5\*15\*1 + 5\*15\*1 + 0\*15\*1 = 150 | | | | | | | | |
| Total subject workload (teaching + student): 285+285=570 hours | | | | | | | | | | | | | | | | |
| **Learning outcomes** | | understanding the function of the human organism and their mechanisms of regulation, familiarization with the basics of functional diagnostics | | | | | | | | | | | | | | |
| **Preconditions** | | Attended previous years, passed exams: Anatomy, Histology and Embryology, Human Genetics  Precondition for taking the exam: all year I exams passed | | | | | | | | | | | | | | |
| **Teaching methods** | | Theoretical lectures, theoretical seminars, practical activities - exercises | | | | | | | | | | | | | | |
| **Subject content per week** | | **Theoretical lectures, theoretical seminars:**  1. homeostasis, cell physiology  2. Irritable tissues  3. muscles, biophysics  4. sensory receptors, somatic sensitivity  5. somatic sensibility, biophysics  6. the sense of sight  7. the sense of hearing, biophysics  8. chemical senses, motoricity  9. motoricity  10. motoricity, biophysics  11. limbic system  12. hypothalamus and ANS  13. seminars  14. blood and body fluids  15. blood and body fluids  **Practical activities – exercises:**  1. homeostasis, cell physiology  2. Irritable tissues  3. Irritable tissues  4. muscles  5. sensory receptors, somatic sensitivity  6. the sense of sight  7. the sense of hearing, chemical senses, motoricity  8. motoricity  9. motoricity  10. limbic system, hypothalamus and ANS  11. solving problems  12. solving problems  13. blood and body fluids  14. blood and body fluids  15. blood and body fluids  **Theoretical lectures, theoretical seminars:**  1. cvs  2. cvs  3. cvs  4. cvs  5. respiration  6. respiration  7. kidneys  8. pH, osmolarity  9. GIT  10. energy, metabolism, nutrition, thermoregulation  12. solving problems  13. endocrine system  14. solving problems  15. solving problems  **Practical activities – exercises:**  1. cvs  2. cvs  3. cvs  4.cvs, respiration  5. respiration  6. respiration, kidneys  7. kidneys  8. pH, osmolarity  9. GIT  10. GIT  11. energy, metabolism, nutrition, thermoregulation  12. energy, metabolism, nutrition, thermoregulation, endocrine system  13. endocrine system  14. endocrine system, seminars  15.seminars | | | | | | | | | | | | | | |
| **Compulsory literature** | | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Publication title, Publisher** | | | | | | | | | **Year** | | **Pages (from-to)** | |
| Guyton AC,Hall JE | | | | Textbook of Medical Physiology. 13 th wd. WB Saunders Company | | | | | | | | | 2016 | |  | |
| Wiliams F Ganong | | | | Review of Medical Physiology. 25 th ed. The McGraw-Hill Companies | | | | | | | | | 2016 | |  | |
|  | | | | Laboratory notebook for practical course in Medical physiology . Belgrade, CIBID | | | | | | | | | 2010 | | Part one and two | |
| **Additional literature** | | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Publication title, Publisher** | | | | | | | | | **Year** | | **Pages (from-to)** | |
|  | | | |  | | | | | | | | |  | |  | |
| **Student responsibilities, types of student assessment and grading** | | **Grading policy** | | | | | | | | | | | | **Points** | | **Percentage** |
| Pre-exam activities | | | | | | | | | | | | | | |
| lecture/exercise attendance | | | | | | | | | | | | 5 | | 5% |
| seminar paper | | | | | | | | | | | | 5 | | 5% |
| case study – group work | | | | | | | | | | | | 5 | | 5% |
| test/colloquium | | | | | | | | | | | | 25 | | 25% |
| working in laboratory/ lab. exercises | | | | | | | | | | | | 5 | | 5% |
| practical work | | | | | | | | | | | | 5 | | 5% |
| Final exam | | | | | | | | | | | | | | |
| Practical test | | | | | | | | | | | | 25 | | 25% |
| written exam | | | | | | | | | | | | 25 | | 25% |
| TOTAL | | | | | | | | | | | | 100 | | 100 % |
| **Certification date** | | December 13 th 2018 | | | | | | | | | | | | | | |

\* the number of necessary rows is added by using *insert mode*

1. 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 the subjects 900 hrs – total teaching workload L+E in semester for all the subjects 870 hrs)/ total teaching workload L+E in semester for all 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)