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|  | | | **UNIVERSITY OF EAST SARAJEVO**  Faculty of Medicine | | | | | | | | | | |  | | |
| ***Study program: Medicine*** | | | | | | | | | | |
| Integrated academic studies | | | | | | V study year | | | | |
| **Full course title** | | | PHYSICAL MEDICINE AND REHABILITATION | | | | | | | | | | | | | |
| **Department** | | | Department of Surgery, Faculty of Medicine in Foča | | | | | | | | | | | | | |
| **Course code** | | | | | | **Course status** | | | | | **Semester** | | | **ECTS** | | |
|
| ME-01-1-048-10 | | | | | | compulsory | | | | | X | | | 3 | | |
| **Teacher/-s** | | Assistant professor Katarina Parezanović Ilić, MD, PhD | | | | | | | | | | | | | | |
| **Associates** | | Senior assistant Dušana Bukvić, MD, MSc, clinical assistant Dragana Mirković MD PhD | | | | | | | | | | | | | | |
| **The number of teaching hours/ 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** | |
| 1 | 2 | | | | 0 | | 1\*15\*1 | | | 2\*15\*1 | | 0\*15\*1 | | | 1 | |
| Total teaching workload (in hours, per semester)  1\*15 + 2\*15 + 0\*15 =45 | | | | | | | | Total student workload (in hours, per semester)1\*15\*1 + 2\*15\*1 + 0\*15\*1 = 45 | | | | | | | | |
| Total subject workload (teaching+student): 45 + 45 = 90 hours per semester | | | | | | | | | | | | | | | | |
| **Learning outcomes** | | Upon completion of this course students will be able to:  1. Use physical agents in prevention  2. Determine indications and contraindications for application of physical agents  3. Make a plan of rehabilitation for patients with orthopedic and post-traumatic conditions  4. Make a plan of rehabilitation for patients with rheumatoid diseases | | | | | | | | | | | | | | |
| **Preconditions** | | Precondition for taking the exam: all of the fourth year exams passed | | | | | | | | | | | | | | |
| **Teaching methods** | | Lectures, video presentations, clinical rotations, seminar papers, case studies | | | | | | | | | | | | | | |
| **Course content per week** | | **Lectures**  1. Physical agents-phototherapy  2. Magnetotherapy магнетотерапија,  3. Termotherapy, cryotherapy  4. Hydrotherapy and balneotherapy  5. Electrotherapy according to groups  6. The technique of administering medications using galvanic current  7. Ultrasound therapy  8. Kinesiology and kinesiotherapy  9. Clinical examination in physiatric practice  10. Orthopedic patients rehabilitation plan  11. Rheumatoid patients rehabilitation plan  12. Rehabilitation of lesions of the central and peripheral motor neuron  13. Pulmonary and cardiovascular rehabilitation  14. Process of prothetic rehabilitation  15. Habilitation and rehabilitation process in children | | | | | | | | | | | | | | |
| **Course content per week** | | **Exercises**  1. Physical agents-phototherapy  2. Magnetotherapy  3. Termotherapy, cryotherapy – presentation and usage of the equipment  4. Hydrotherapy and balneotherapy – demonstration of the procedure  5. Electrotherapy according to groups – presentation and usage of the equipment  6. The technique of administering medications using galvanic current – demonstration of the technique  7. Ultrasound therapy – presentation and usage of the equipment  8. Kinesiology and kinesiotherapy – group and individual work  9. Clinical examination in physiatric practice – general and individual aspects - presentation  10. Orthopedic patients rehabilitation – case presentation  11. Rheumatoid patients rehabilitation plan – case presentation  12. Rehabilitation of lesions of the central and peripheral motor neuron – case presentation  13. Pulmonary and cardiovascular rehabilitation – case presentation  14. The process of prothetic rehabilitation – presentation of orthoses, protheses and assistive devices  15. Habilitation and rehabilitation process in children – case presentation | | | | | | | | | | | | | | |
| **Compulsory literature** | | | | | | | | | | | | | | | | |
| **Author/-s** | | | | **Publication title, publisher** | | | | | | | | | **Year** | | **Pages (from-to)** | |
| De Lisa J | | | | Rehabilitation medicine-principles and practice 5 th ed. JB Lippincott Company | | | | | | | | | 2011 | |  | |
|  | | | |  | | | | | | | | |  | |  | |
| **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 attendance | | | | | | | | | | | | 10 | | 10% |
| exercise attendance | | | | | | | | | | | | 10 | | 10% |
| case study (teamwork) | | | | | | | | | | | | 10 | | 10% |
| seminar paper | | | | | | | | | | | | 20 | | 20% |
| Final exam | | | | | | | | | | | | | | |
| writtenl exam | | | | | | | | | | | | 50 | | 50% |
| TOTAL | | | | | | | | | | | | 100 | | 100 % |
| **Certification date** | | December 13 th 2018 | | | | | | | | | | | | | | |

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

1. [↑](#footnote-ref-2)